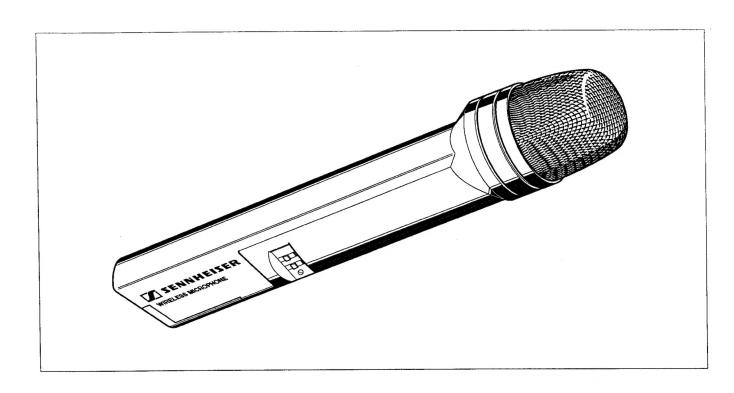


BF 1081-V



KURZBESCHREIBUNG

Kompakter und schlanker Handsender als drahtloses dynamisches Mikrofon für den harten und störungsfreien Einsatz "on stage". Passend zum Sennheiser-Empfänger EM 1031-V.

MERKMALE

- Extrem rückkopplungsarm durch Supernieren-Richtcharateristik
- Stoß- und schlagfestes Polyamid-Gehäuse
- bis 8 Stunden ununterbrochener Betrieb mit einer Batterie
- · Antenne im Gehäuse integriert
- 6 umschaltbare Sendefrequenzen
- Wirksame Rauschunterdrückung und hohe Dynamik durch HiDynplus.

BRIEF DESCRIPTION

Compact and slim hand-held transmitter for use as a wireless dynamic microphone allowing operation in the most difficult conditions on stage. The BF 1081-V transmitter microphone is to be used in conjunction with the Sennheiser EM 1031-V receiver.

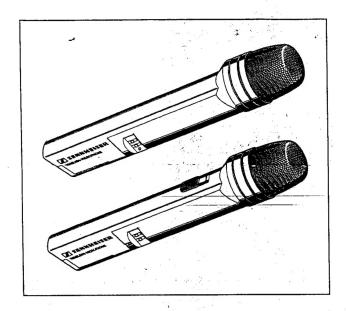
FEATURES

- Excellent feedback rejection thanks to supercardiod pick-up pattern
- Extremely rugged polyamide housing
- Up to 8 hours of continuous operation with one battery
- Antenna integrated into the housing
- Six switchable transmit frequencies
- Excellent dynamic range and noise suppression thanks to HiDynplus

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BF 1051-VHF BF 1081 SKM 1030 SKM 1032 SKM 1072-U

MODIFIKATION DES BATTERIEFACHS

FEHLERERSCHEINUNG:

In einigen Fällen kann es bei o.a. Handsendern bei rauhem "Handling" zu Aussetzern der Spannungsversorgung kommen, wodurch die Übertragung kurzzeitig abreißt. Ursache hierfür kann eine nicht ausreichende Batteriekontaktierung sein, da die mechanischen Abmessungen der 9V-Blockbatterien in Abhängigkeit des Herstellers variieren.

ABHILFE:

Zur verbesserten Fixierung der Batterie werden insgesamt 4 Schaumpolster in das Batteriefach eingeklebt. Für die exakte Montage und Positionierung der Polster ziehen Sie bitte umseitige schematische Darstellung heran.

INHALT:

- Schematische Darstellung des Batteriefachs aller betroffenen Handsender.
- Montageanleitung für die Schaumpolster.

ALLGEMEINES:

Heften Sie diese Service-Information zu den entsprechenden Service-Anleitungen.

MODIFICATION OF BATTERY COMPARTMENT

TROUBLE:

The supply voltage of some hand-held transmitters as listed above may be interrupted intermediately when the transmitters are handled roughly thus causing transmission drop-outs. The problem arising is insufficient battery-contacting due to not-standardized mechanical dimensions of the 9V-batteries depending on manufactures' specifications.

REMEDY:

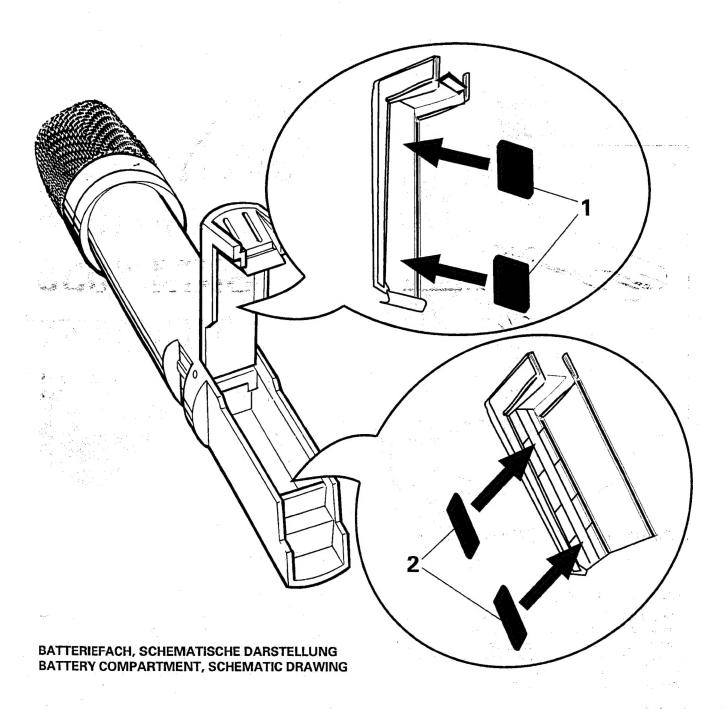
4 adhesive foam pads are placed in the battery compartment for tighter fitting of the battery. Please refer to the schematic drawing next page for the exact mounting of those pads.

CONTENTS:

- Schematic drawing of battery compartment for all hand-held transmitters affected.
- Mounting instruction for foam pads.

GENERAL:

Please file this service information together with the respective service manuals.



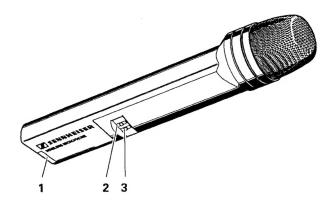
- 1. Öffnen Sie das Batteriefach und hebeln Sie den Batteriedeckel aus dem Führungsstift.
- 2. Auf sauberer Oberfläche werden die beiden großen Schaumpolster (1) wie gezeigt in den Deckel eingeklebt und festgedrückt.
- 3. Die beiden kleinen Schaumpolster (2) werden mit einer Pinzette wie gezeigt im Gehäuse positioniert und ebenfalls festgedrückt.
- 4. Den modifizierten Batteriedeckel vorsichtig wieder auf den Führungsstift drücken.
- 1. Open battery compartment and lever lid up from
- 2. Both large foam pads (1) are fitted on the clean surface of the lid as shown and pressed to be fixed.
- 3. The two small foam pads (2) are placed in the housing with a pair of tweezers as shown and fixed likewise.
- 4. Press the modified lid cautiously back onto the pivot.

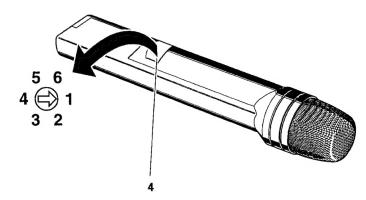
Pos. 1: Schaumpolster, groß (Paar) Ident-Nr.: 74406

Pos. 2: Schaumpolster, klein (Paar) Ident-Nr.: 74407 Pos. 1: Foam pad, large (pair)

Id.-No.: 74406 Pos. 2: Foam pad, small (pair) Id.-No.: 74407

1 BEDIENUNGSELEMENTE





- 1 Batteriefach
- 2 Schaltbare Mikrofonempfindlichkeit
- 3 Ein / Aus Schalter
- 4 Kanalwahlschalter

2 TECHNISCHE DATEN

HF-TEIL

Frequenzaufbereitung
Trägerfrequenz
Schaltbandbreite
Kanalzahl
Kanalraster
Frequenzstabilität
Sendeleistung
Abgestrahlte Leistung
Störstrahlungsleistung
Modulationsart
Nennhub bei 1 kHz
Spitzenhub

NF-TEIL

Schallwandler
Wandlernennimpedanz
Leerlaufübertragungsfaktor
Einstellumfang des Empfindlichkeitsschalters
Trittschallfilter Roll-Off
High-Cut Roll-Off
Klirrfaktor
Preamphasis
Maximaler Schalldruck
Geräuschspannungsabstand
Rausch- und Störunterdrückungssystem

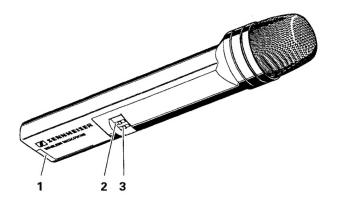
STROMVERSORGUNG, MECHANIK

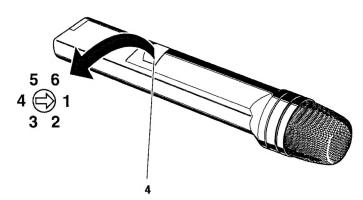
Batterie Betriebszeit Stromaufnahme bei Nennspannung Betriebsspannungsbereich Abmessungen in mm Gewicht PLL (Phase-Lock-Loop)-Synthesizer
132 - 260 MHz
14 MHz
6 Kanäle, umschaltbar
125 kHz (Vielfache von 5 kHz)
besser ±10 kHz (-10 bis +55 °C, UB = 5,5 - 9,5 V)
50 mW
5 mW
< 4 nW
FM, Breitband
± 40 kHz
± 56 kHz

dynamisch, Superniere 350 Ω 1,2 mV / Pa 8,5 dB 12 dB / Okt. 24 dB / Okt. < 2 % bei max. Schalldruck 50 μs 153 dB 120 dBA HiDyn*plus*

IEC 6 LR 61 9 V, Alkaline (keine NiCd-Akkus verwenden!) bis zu 8 Stunden Dauerbetrieb möglich 50 mA 5,5 - 9 V 245 x 38 ca. 250 g incl. Batterie

1 OPERATING ELEMENTS





- 1 Batteriefach
- 2 Schaltbare Mikrofonempfindlichkeit
- 3 Ein / Aus Schalter
- 4 Kanalwahlschalter

2 TECHNICAL DATA

RF SECTION

Frequency generation
Carrier frequency
Switching bandwidth
Channels
Channel grid
Frequency stability
Transmitting output power
Radiated power
Spurious emissions
Modulation
Nominal deviation at 1 kHz
Peak deviation

AF SECTION

Transducer
Nominal impedance
Sensitivity (free field, no load)
Control range of sensitivity switch
Roll off filter
High-Cut Roll-Off
THD at 1 kHz
Preemphasis
Max. SPL
Signal-to-noise ratio
Compander

POWER SUPPLY

Battery
Operating time
Current consumption for rated voltage
Operating voltage
Dimensions in mm
Weight

PLL (Phase Locked Loop) synthesizer 132 - 260 MHz 14 MHz 6, switchable 125 kHz $<\pm10$ kHz (-10 to +55 °C, UB = 5.5 - 9.5 V) 50 mW 5 mW <4 nW FM, wideband ±40 kHz ±56 kHz

dynamisch, supercardioid pick-up pattern 350 Ω 1.5 mV / Pa 8.5 dB 12 dB / Oct. 24 dB / Oct. < 2% for max. SPL 50 μs 153 dB(A) 120 dBA HiDyn ρlus

IEC 6 LR 61 9 V, alkaline (do not use NiCd batteries!) up to 8 hrs (continuous operation) 50 mA 5.5 - 9 V 245 x 38 approx. 250 g incl. battery

3 ALLGEMEINES

3.1 INHALT DER SERVICE-ANLEITUNG

Eine Reparatur kann durch Baugruppentausch vorgenommen werden. Diese Form der Reparatur hat sich in der Praxis bewährt und begrenzt das notwendige Funktionsverständnis auf die Baugruppen.

Auf geeigneten Meßplätzen kann die Reparatur der Moduln bis auf Bauteilebene erfolgen. Detailierte Reparaturanleitungen befinden sich in den Service-Hinweisen und der Prüf- und Abgleichanleitung.

Die Service-Anleitung vermittelt das entsprechende Wissen zur Fehlerlokalisation und Reparatur des BF 1081-V.

3.2 SERVICE-KONZEPT

3.2.1 Leiterplatte

Die Leiterplatte des BF 1081-V ist als 2-seitig kupferkaschierte Platine aufgebaut und kann durch einen unsachgemäßen Reparaturversuch irreparabel beschädigt werden.

3.2.2 Service-Anleitung

Die Service-Anleitung soll dem Techniker die Möglichkeit bieten, die wichtigsten Reparatur- und Abgleicharbeiten ausführen zu können.

Die Service-Anleitung kann im Bedarfsfall auch dem Kunden ausgehändigt werden.

3.2.3 SMD (Surface Mounted Devices)

Die Leiterplatten des BF 1081-V sind weitgehend mit Chip-Elementen (SMD) bestückt. Sollte beim Hantieren mit den Baugruppen ein SMD mechanisch zerstört werden, ist es erforderlich, dieses Bauelement zu ersetzen.

SMD werden direkt auf die dafür vorgesehenen Lötflächen gelötet. Hierfür besitzen sie lötfähige Stirnkontaktierungen, die weitgehend hitzeunempfindlich sind.

Zum Auswechseln ist folgendes Werkzeug erforderlich: Neben einer Pinzette und einem normalen temperaturgeregelten Lötkolben (z. B. Weller mit 0,8 mm Flachkopflötspitze PT-H 7 oder 0,8 mm Langkopflötspitze PT-K 7) sollten noch ein absolut rückschlagfreies Absauggerät und 1,2 mm Entlötlitze vorhanden sein. Sinnvoll ist eine Arbeitslupe.

Die Lötzeit ist so kurz wie möglich zu halten, damit die Leiterbahnen nicht beschädigt werden. Besonders beim Auslöten der Bauteile ist darauf zu achten, daß die Leiterbahnen nicht abgehoben werden. Danach ist die Auflagefläche der Bauteile von Lötresten zu säubern. Um mechanische Spannungen in den Bauteilen zu vermeiden, sollte man erst nach dem Erkalten der ersten Lötstelle die gegenüberliegende Seite anlöten.

Eine Wiederverwendung eines bereits ausgelöteten Chip-Bauelementes ist nicht zulässig. Dies gilt auch dann, wenn es offensichtlich fehlerfrei ist, da durch die mechanische Beanspruchung beim Ein- und Auslöten eine Beschädigung nicht ausgeschlossen werden kann.

Die SMD werden als Ersatzteile in Packeinheiten von je 50 Stück geliefert. Die Lagerbehälter müssen verwechslungssicher gekennzeichnet sein, da nur dadurch eine Unterscheidung der Bauteile möglich ist.

3 GENERAL

3.1 CONTENTS OF THIS SERVICE MANUAL

Practical experience gained from corrective maintenance shows that it is best to repair the unit by replacing defective modules. This type of repair has proven to be good in practical use as it spares the service engineer the effort to learn all details on the unit's complex circuit design.

Special tools and test equipment allow the modules to be easily repaired up to the lowest level, i.e. their individual components. Detailed instructions are given in the service hints as well as in the test and alignment instructions.

The present service manual shall provide the service engineer with important information required to find faults and to repair the BF 1081-V.

3.2 SERVICE CONCEPT

3.2.1 Printed circuit board

The PCB incorporated into the BF 1081-V is a double-sided printed circuit board which can be accidentally damaged through improper handling or repair.

3.2.2 Service manuals

The present document shall help the service engineer to accomplish the most important maintenance and repair work.

The service manual may be handed to customers, if need be.

3.2.3 SMD (Surface Mounted Devices)

The PCBs incorporated into the BF 1081-V chiefly include Surface Mounted Devices (SMD). Should one SMD be accidentally damaged, replace the defective component with

SMDs are to be soldered to the surface provided for this purpose. They feature solderable contacts which are relatively insensitive to heat.

Tools required to replace SMDs: tweezers, temperature-controlled soldering iron (e.g. Weller with 0.8 mm flat headed soldering tip PT-H 7 or 0.8 mm oblong soldering tip PT-K 7), blow-back proof unsoldering set, 1.2 mm unsoldering wire. It is recommendable to use magnifying glasses.

Minimize the soldering time in order not to damage the PCB. Be careful not to damage any tracks when unsoldering the components to be replaced. Clean the surface. Wait until the first soldered joint has cooled down before starting to solder the opposite side. This serves to avoid stress built-up in the components.

Do not reuse unsoldered components, even if they seem to be faultless. Mechanical damage, possibly caused by soldering or unsoldering some components, cannot be excluded.

SMDs are available as spare parts, 50 pcs. packaged in a poly bag. Containers or packages should be marked in order to make the components distinguishable from each other.

4 SERVICE HINWEISE

4.1. ALLGEMEINES

Der Handsender BF 1081-Vistin 6 Frequenzbereichen innerhalb des VHF-Bandes erhältlich. Die Varianten (I - VI) unterscheiden sich durch eine geänderte Bestückung (siehe Tabelle auf Seite 15).

- Typ I: 132 144 MHz, Schaltbandbreite 12 MHz
- Typ II: 169 184 MHz, Schaltbandbreite 14 MHz
- Typ III: 183 200 MHz, Schaltbandbreite 16 MHz
- Typ IV: 199 217 MHz, Schaltbandbreite 18 MHz
- Typ V: 216 235 MHz, Schaltbandbreite 20 MHz
- Typ VI: 234 260 MHz, Schaltbandbreite 22 MHz

4.2 DEMONTAGE:

GEHÄUSE

- Einsprachekorb (1) abschrauben.
- Poppschutz (2) aus Einsprachekorb (1) entnehmen. Bei Bedarf Poppschutz auswaschen oder ersetzten.
- Batteriefach (3) öffnen.
- Batteriekontakte (4) entnehmen.
- Leiterplatte aus Griff (6) schieben; dazu Sicherung (5) der Leiterplatte mit kleinem Schraubendreher entriegeln.

MIKROFON

- Anschlußdrähte von Mikrofonkapsel (7) entlöten.
- Kapsel von Federung schrauben.

4 SERVICE HINTS

4.1. GENERAL

The hand-held transmitter BF 1081-V is available in six frequency ranges in the VHF band. The types (I - VI) are equipped with variable components (pls. see table on page 15).

- Type I: 132 144 MHz, switching bandwidth 12 MHz
- Type II: 169 184 MHz, switching bandwidth 14 MHz
- Type III: 183 200 MHz, switching bandwidth 16 MHz
- Type IV: 199 217 MHz, switching bandwidth 18 MHz
- Type V: 216 235 MHz, switching bandwidth 20 MHz
- Type VI: 234 260 MHz, switching bandwidth 22 MHz

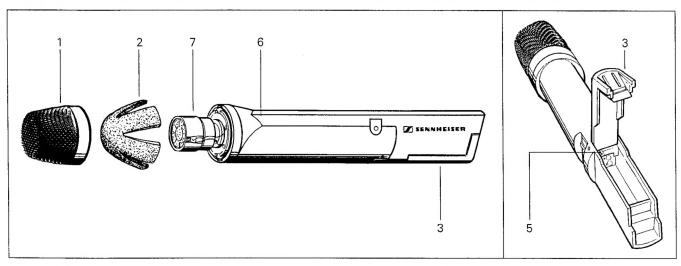
4.2 DISASSEMBLY:

HOUSING

- Unscrew the sound inlet basket (1).
- Remove the pop shield (2) from the sound inlet basket (1).
 Clean or replace the pop shield, if need be.
- Open the battery compartment (3).
- Remove the battery contacts (4).
- Slide the PCB out of the handle (6); to that end, disengage the catch (5) on the PCB with a small screwdriver.

MICROPHONE

- Unsolder the leads from the microphone capsule (7).
- Unscrew the capsule from its suspension.



4.3 FEHLERSUCHE

- Handsender BF 1081-V besprechen und mit dem Empfänger EM 1031-V (Kopfhörer) abhören. Funktionsüberprüfung mit anschließendem Abklopfen und Reichweitentest.
- Handsender BF 1081-V demontieren.
- Die Fehlersuche beim BF 1081-V unterteilt sich in:
 - Überprüfen der Testpunkte TP 1 TP 19 auf der Bestückungsseite der Leiterplatte. Dazu Verfahren wie im Abschnitt "Fehlersuche" auf Seite 7. Bei stark abweichenden Meßwerten Leiterplatte unter Zuhilfenahme des Stromlaufplanes reparieren.
 - Durchführen der "Prüf- und Abgleichanweisung".
- Handsender BF 1081-V montieren.
- Handsender BF 1081-V besprechen und mit dem Empfänger EM 1031-V (Kopfhörer) abhören. Funktionsüberprüfung mit anschließendem Abklopfen und Reichweitentest.

4.3 FAULT ISOLATION

- Speak into the BF 1081-V transmitter microphone and monitor the correct working of the system with the help of the EM 1031-V receiver (headphones). Performance test, incl. subsequent tapping and transmission range tests.
- Disassemble the BF 1081-V transmitter microphone.
- Fault isolation procedures:
 - Check test points TP 1 TP 19 on the component side of the PCB. Pls. proceed as described in "FAULT ISOLATION" on page 7. For deviating test results, the PCB is to be repaired with the help of the circuit diagram.
 - Follow the "TEST AND ALIGNMENT PROCEDURES".
- Assemble the BF 1081-V transmitter microphone.
- Speak into the BF 1081-V transmitter microphone and monitor the correct working of the system with the help of the EM 1031-V receiver (headphones). Performance test, incl. subsequent tapping and transmission range tests.

5 FEHLERSUCHE

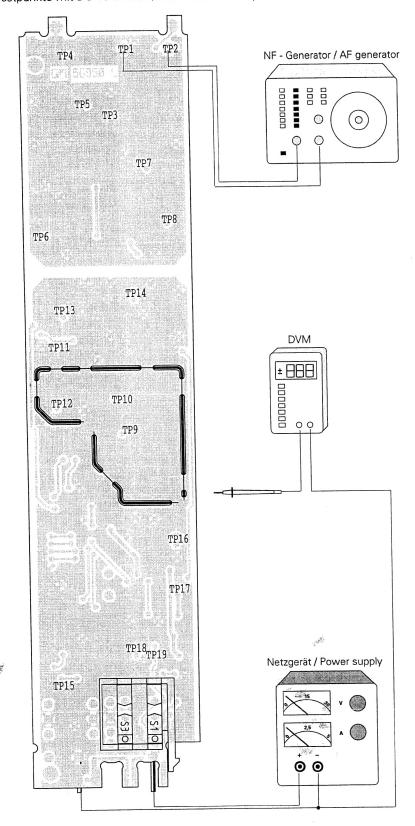
5.1 MESSAUFBAU I

- Mikrofonmodul ablöten.
- NF-Signal (1kHz, 320 mV) an TP 2 einspeisen (TP 1 \perp).
- Betriebsspannung (9 V) an Batteriekontakte anlegen.
- Ein / Aus Schalter S1 in Stellung "ON" bringen.
 Kanalwahlschalter S4 in Stellung "3" bringen.
- Empfindlichkeitseinsteller S3 in Stellung "Lo" bringen.
- Testpunkte mit DC-Voltmeter (Ri \geq 1 M Ω / V) überprüfen.

5 FAULT ISOLATION

5.1 TEST SET-UP I

- Unsolder the microphone module.
- Input the AF (1kHz, 320 mV) via TP 2 (TP 1 \perp).
- Apply the operating voltage (9 V) to the battery contacts.
- Set the ON/OFF switch S1 to "ON".
- Set the channel selector switch S4 to "3".
- Set the sensitivity switch S3 to "Lo".
- Check the test points using the DC voltmeter (Ri \geq 1 M Ω /V).



Testpunkt Test point	Sollwert Desired value
TP 1	0.0 VDC
TP 2	0.0 VDC
TP3	4.1 VDC
TP 4	2.5 VDC
TP 5	2.45 VDC
TP 6	1.0 VDC
TP 7	3.6 VDC
TP 8	0.0 VDC
TP:9	1.9 VDC
TP 10	4.25 VDC
TP 11	4.8 VDC
TP 12	0.6 VDC
TP 13	0.44 VDC
TP 14	0.3 VDC
TP 15	0.0 VDC
TP 16	2.3 ± 0.5 VDC
TP 17	5.0 VDC
TP 18	8.2 VDC
TP 19	0.06 VDC

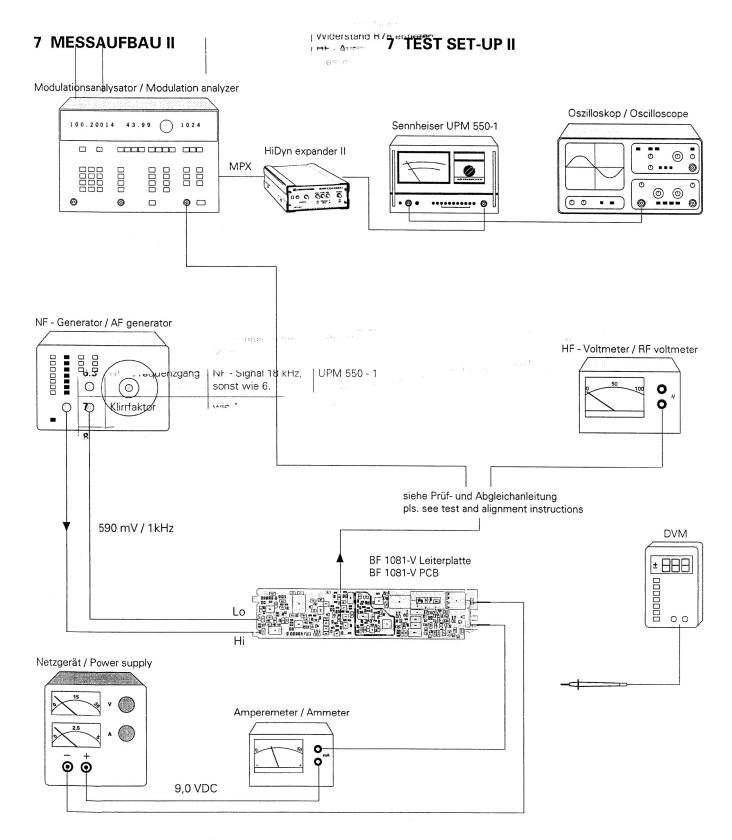
6 MESSGERÄTE UND PRÜFMITTEL

- 1 Modulationsanalysator (z.B. Rohde & Schwarz FAM)
- 1 NF-Signalgenerator (z.B. Leader LAG 126 S)
- 1 NF-Millivoltmeter (z.B. UPM 550 1) 1 HF-Millivoltmeter (z.B. Rohde & Schwarz)
- 1 HiDyn Expander II (z.B. Sennheiser Ident.-Nr. 49556)
- 1 Oszilloskop (z.B. Hameg 605) 1 Voltmeter Ri ≥ 1 MΩ / V (z. B. Thandar TM 351)
- 1 Amperemeter (z.B. Thandar TM 351)
- 1 Netzgerät 0-30 V/2 A

6 SPECIAL TOOLS AND EQUIPMENT

- 1 Modulation analyzer (e.g. Rohde & Schwarz FAM)

- 1 Modulation analyzer (e.g. Ronde & Schwarz FAM)
 1 AF signal generator (e.g. Leader LAG 126 S)
 1 AF millivoltmeter (e.g. UPM 550 1)
 1 RF millivoltmeter (e.g. Ronde & Schwarz)
 1 HiDyn expander II (e.g. Sennheiser Ident. No. 49556)
 1 Oscilloscope (e.g. Hameg 605)
- 1 Voltmeter Ri ≥ 1 MΩ / V (e.g. Thandar TM 351) 1 Ammeter (e.g. Thandar TM 351) 1 Power supply 0 to 30 V / 2 A



8 PRÜF - UND ABGLEICHANWEISUNG

Nr.	Messung, Einstellung	Signal- einspeisung	Vorbereitung, Geräteeinstellung	Meßpunkt	Sollwert	Einsteller	Bemerkungen
1	Stromaufnahme	NF - Signal (1 kHz, 320 mV) an TP 2 einspeisen (TP 1 L) (siehe Meßaufbau)	Mikrofonmodul ablöten; Batteriespannung (9 V) an Batteriekontakte anlegen; Ein / Aus-Schalter S1 "ON"; Kanalwahlschalter S4 "1"; Empfindlichkeit S3 "Lo";	Ampere- meter	42 - 55 mA		
2	HF - Pegel	wie 1.	Ein / Aus-Schalter S1 "OFF" Widerstand R78 entlöten; HF - Ausgang über C72 messen; Ein / Aus-Schalter S1 "ON"; HF - Voltmeter	U C72	1,2 - 1,6 Veff an 50 Ω		
3	Sendefrequenz Kanal 1	wie 1.	Modulationsanalysator	U C72	f ± 2 kHz		
3.1	Sendefrequenz Kanal 2 - 6	wie 1.	Kanalwahlschalter S4 *2 - 6*; Modulationsanalysator	U C72	f ± 2 kHz		
4	VCO Abstimmspannung	wie 1.	Kanalwahlschalter S4 *1* DC - Voltmeter	TP 16	2,3 V ± 0,5 V	L6	
5	Nennhub	wie 1.	Modulationsanalysator	U C72	± 40 kHz	R42	
5.1	Spitzenhub	wie 1.	Empfindlichkeit S3 "Hi"; Modulationsanalysator	U C72	≤± 56 kHz		
6	NF - Frequenzgang	NF - Signal 3 mV, sonst wie 1.	Empfindlichkeit S3 "Lo"; UPM 550 - 1 auf 0 dB eichen	U C72			
6.1	NF - Frequenzgang	NF - Signal 80 Hz, sonst wie 6.	ÙPM 550 - 1	U C72	- 3 dB		
6.2	NF - Frequenzgang	NF - Signal 10 kHz, sonst wie 6.	UPM 550 - 1	U C72	+ 1,5 dB		
6.3	NF - Frequenzgang	NF - Signal 18 kHz, sonst wie 6.	UPM 550 - 1	U C72	0 dB		
7	Klirrfaktor	wie 1.	UPM 550 - 1	U C72	typ. 0,2 %		
8	Endprüfung		Handsender BF 1081-V montieren; dazu R78 einlöten (nur neues Bauteil verwenden), Mikrofonmodul montieren und anlöten. Nach Endmontage Hand- sender betriebsbereit machen und mit Empfänger EM 1031-V Funktion überprüfen				

8 TEST AND ALIGNMENT INSTRUCTIONS

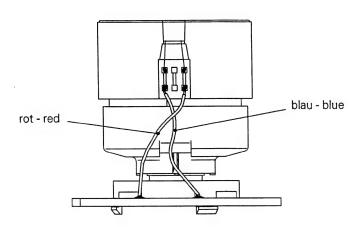
No.	Measurement, adjustment	Signal input	Preparations, settings	Test point	Desired value	Adjuster	Remarks
1	Current consumption	Input the AF (1 kHz, 320 mV) via TP 2 (TP 1 \(\perp \)) (pls. see test set-up)	Unsolder the microphone module; apply the operating voltage (9 V) to the battery contacts; ON/OFF switch S1 "ON"; channel selector switch S4 "1"; sensitivity switch S3 "Lo"	Ammeter	42 - 55 mA		
2	RF level	as 1.	ON/OFF switch S1 "OFF"; unsolder resistor R78; check the RF signal via C72; ON/OFF switch S1 "ON"; RF voltmeter	U C72	1.2 - 1.6 Veff 50 Ω loaded		
3	Transmit frequency channel 1	as 1.	Modulation analyzer	U C72	f ± 2 kHz		
3.1	Transmit frequency channel 2 - 6	as 1.	Channel selector switch S4 "2 - 6"; modulation analyzer	U C72	f ± 2 kHz	200000,000,000,00	
4	VCO tuning voltage	as 1.	Channel selector switch S4 "1"; DC voltmeter	TP 16	2.3 V ± 0.5 V	L6	
5	Nominal deviation	as 1.	Modulation analyzer	U C72	± 40 kHz	R42	
5.1	Peak deviation	as 1.	Sensitivity switch S3 *Hi"; modulation analyzer	U C72	≤± 56 kHz		
6	Audio frequency response	Audio signal 3 mV, proceed as described in step 1.	Sensitivity switch S3 "Lo"; calibrate UPM 550 - 1 (0 dB)	U C72			
6.1	Audio frequency response	Audio signal 80 Hz, proceed as described in step 6.	UPM 550 - 1	U C72	- 3 dB		
6.2	Audio frequency response	Audio signal 10 kHz, proceed as described in step 6.	UPM 550 - 1	U C72	+ 1.5 dB		
6.3	Audio frequency response	Audio signal 18 kHz, proceed as described in step 6.	UPM 550 - 1	U C72	0 dB		
7	THD	as 1.	UPM 550 - 1	U C72	typ. 0.2 %	1.71.2500 .7500 .75	
8	Performance test		Assemble the BF 1081-V; solder in R78 (new component only), mount and solder the microphone module. After the transmitter has been completely assembled, it has to be readied for operation and checked for correct working using a EM 1031-V receiver:				

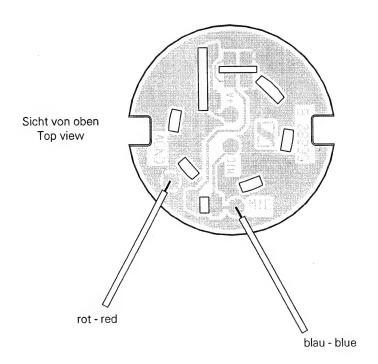
9 SCHALTUNTERLAGEN

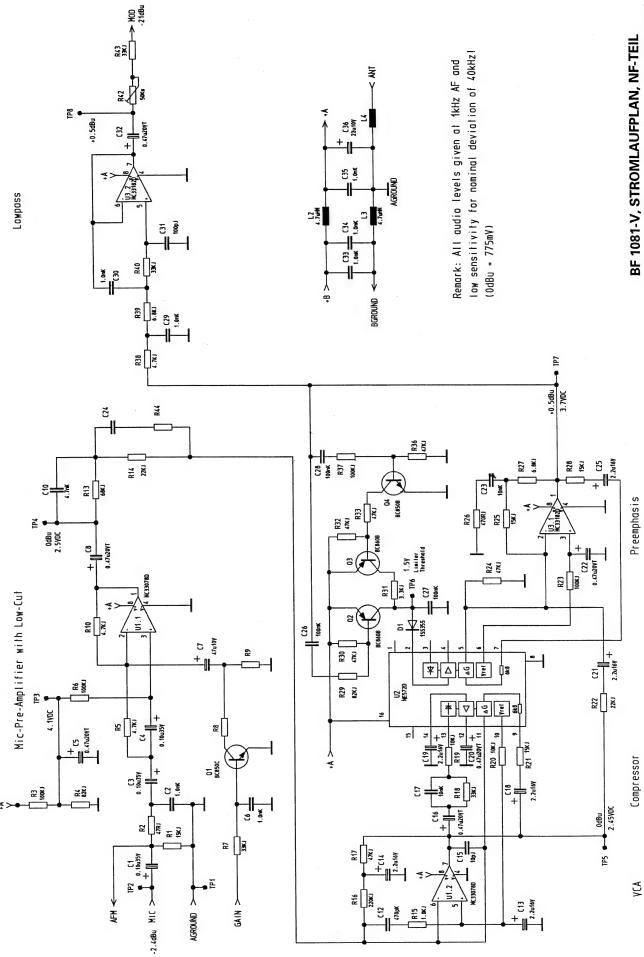
9.1 MIKROFON - LEITERPLATTE

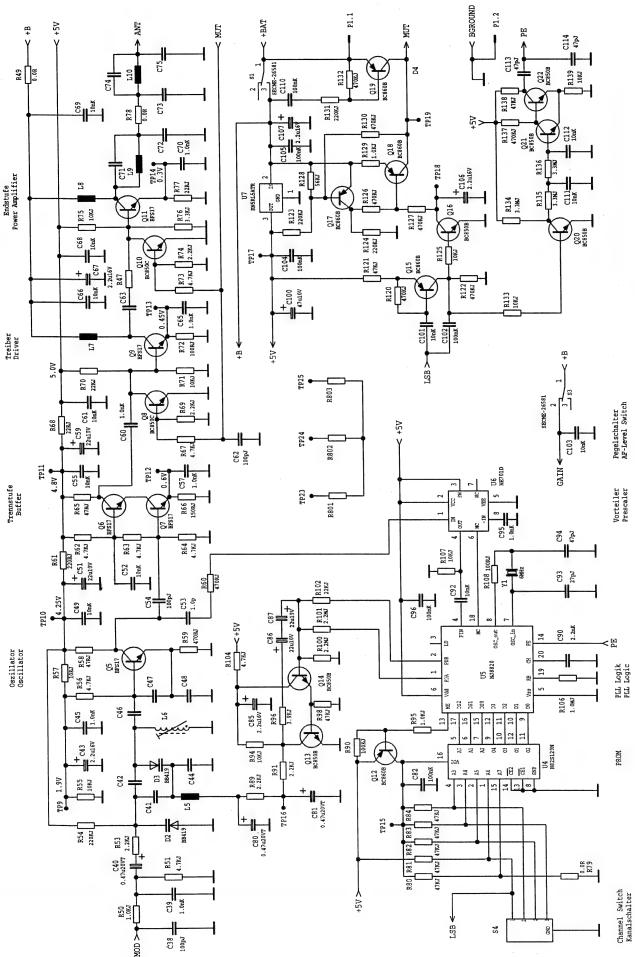
9 SCHEMATICS

9.1 MICROPHONE PCB

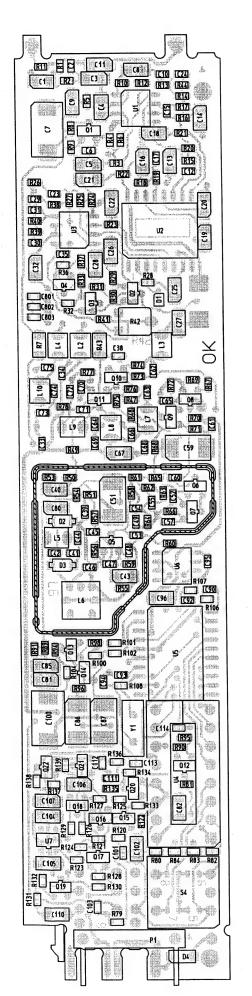




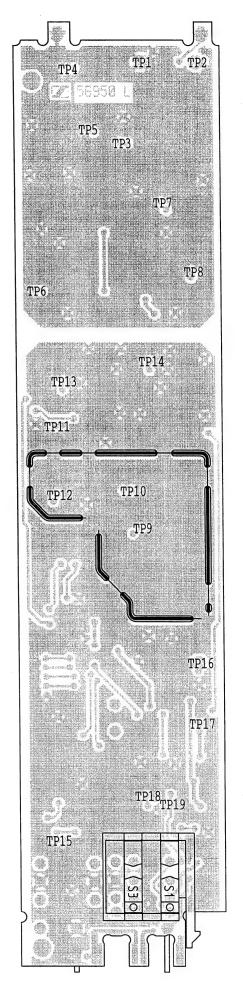




16		34521A 45722		376901	34.52UA 45723	34520A 45723	34520A 45723	34519A 45724	34S19A 45724		70		<u>.</u>			E	. 	C	⊒. ⊒.	⊒. ⊒.
777		68р			82p	47p	27p	82p	47p											
C42		8p2			6p8	4p7	1p8	3р9	2p7		73		330			33	22p	22p	22p	22p
											L10		470			E.	339	339	33n	33
52		39р			33р	12p	8p2	27p	10p		7/3		8d9			6p8	5р6	4p7	3р9	393
R88		n.m.	<u></u>	n. n	n.m.	n.B.	n. n.	- i	. E	·	(73		12p			15 p	8p2	10p	8p8	5p6
R87	VAHL	n.m.	. E	. B.	n.m.	. E.	E .	E. C	E.		C72		339			33p	22p	22p	27p	22p
R86	KANALAUSWAHL CHANNEL SELECTION	n. m .	n.m.	n.m.	n.m.	. .	. B.	n.m.	. B.		C7.1		27p			22p	22p	15p	18p	18p
R85		n. m .	n. n .	n.m.	n.m.	 E.	. B.	E	n. m.		79)		. E. C			E.	n.m.	n.m.	n.m.	n.m.
											87		189			u / 7	u .7 7	u / 7	33n	33n
											R47		100R			1008	68R	338	22R	22R
75		PG5-SG31 45595	PG5-SG31 45595	-SG31 595	-5631	-5631	-5631	-5631	-5631		(63		2p7			9d <u>S</u>	39	399	7d7	3р3
		PG5	PGS 45	57 59d	59d	PGS	PG.	PGS	PG		R48		E.	n. m.	ë.	E.	E.C	E. C	= = :	n.m.
											۲٦		390n			150n	150n	150n	100	100n
R41		П.Ш.	n.m.	n.m.	n.m.	n.m.	n.m.	n.m.	n.m.											
77		150n			1001	100h	189	- 189	17n		C803		n.m.	п.ш.	 	B.	n.B.	n	. E.	n.m.
											C802	SNOS	n.m.	n.m.	E.C	E.	E. C	E.	E.	E.C.
											C801	ICHSKODIE!	л. Б.	n.m.	n.m.	n. iii.	. B.	E.C	n.m.	E. C
877		<u>.</u>	E.	. E	л В.	E .C	e.	=	E		R803	FREQUENZBEREICHSKODIERUNG FREQUENCY RANGE CODE	n. E.	n. m .	E.	980	080	0R0	080	n. m
723		e. c	E.	. B. C	n. m.	- C	E.	=	E.		R802	18.8	080	E. C	e.	080	ORO	E.C	E.	0R0
R12		=	E.	- C	= :	=	=	-	=		R801		E.C	080	n. n.	980	. u	980	n.	080
R11		e.	-i	- E	- E	E	=	5	=		(97		E. C	 E	- E	. E	n	n.m.	G. C	n.B.
5		E	<u>=</u>	E.	E	- E	=	5	<u>=</u>		160		E. C.	E	e:	n. n	- u	- E	- E	e. c
7.3		7.7€	7.7n	470	47u	n27	17 n	11/27	7.7n		870		22p	22p	22p	22p	\$	8	72p	8
89		% %	\bot	8	_	_	4	\perp		_	C47		12p	12p	12p	12p	12p	12p	12p	12p
82		220R	220R	220R	220R	220R	220R	2200	220R		970		£	£5	₹ Ş	-\$	48	- 18p	22p	\$
FREQUENZBEREICH FREQUENCY RANGE	MHz - MHz BF 1081-V	132 - 144	(146 - 157)	(156 - 170)	١.	183 - 200	1.	٠ ا	092 - 782		FREQUENZBEREICH FREQUENCY RANGE MHz - MHz	BF 1081-V	132 - 144	(146 - 157)	(156 - 170)	169 - 184	1 .	199 - 217	216 - 235	234 - 260

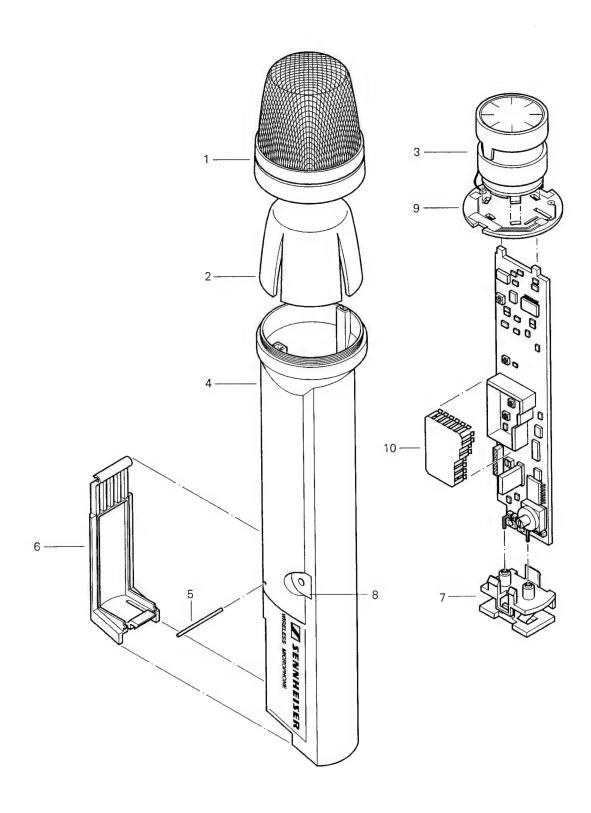


BF 1081-V, GEDRUCKTE SCHALTUNG, BESTÜCKUNGSSEITE BF 1081-V, PRINTED CIRCUIT BOARD, COMPONENT SIDE



BF 1081-V 02 / 97 – 16

11 EXPLODED VIEW



12 ERSATZTEILE

12 SPARE PARTS

POS	IDENT	BEZEICHNUNG	DESCRIPTION
001	49987	Einsprachekorb	Sound inlet basket
002	48139	Poppschutz	Popp shield
003	52534	Kapsel mit Federung + Leiterplatte rund	Capsule with suspension + PCB circular
004	59627	Griff	Handle
			Straight pin (MOQ:10x)
005	49999	Zylinderstift (MOQ:10x)	• .
006A	51246	Batterieklappe, schwarz	Cover for battery compartment, black
006B	59658	Batterieklappe -BZT-	Cover for battery compartment -BZT-
007	52704	Kontakteinsatz	Contact insert
800	50930	Bezeichnungsschild, schwarz (1-2-3-4-5-6)	Type plate, black (1-2-3-4-5-6)
009	56280	Leiterplatte	Printed circuit board
010	49668	Abschirmdeckel	Shielding cover
C001	45086	SMD Kondensator TA-KO 100nF 35V (MOQ:50x)	SMD capacitor TA-KO 100nF 35V (MOQ:50x)
		SMD Kondensator KERKO 1nF 50V X7R (MOQ:50x)	SMD capacitor KERKO 1nF 50V X7R (MOQ:50x)
C002	45195		
C003	45086	SMD Kondensator TA-KO 100nF 35V (MOQ:50x)	SMD capacitor TA-KO 100nF 35V (MOQ:50x)
C004	45086	SMD Kondensator TA-KO 100nF 35V (MOQ:50x)	SMD capacitor TA-KO 100nF 35V (MOQ:50x)
C005	45043	SMD Kondensator TA-KO 2,2uF 16V IEC 384,3	SMD capacitor TA-KO 2.2uF 16V IEC 384,3
C006	45195	SMD Kondensator KERKO 1nF 50V X7R (MOQ:50x)	SMD capacitor KERKO 1nF 50V X7R (MOQ:50x)
C007	45229	SMD Kondensator TA-KO 47uF 10V	SMD capacitor TA-KO 47uF 10V
			· ·
C008	45050	SMD Kondensator TA-KO 470nF 20V	SMD Capacitor TA-KO 470nF 20V
C010	45199	SMD Kondensator KERKO 4,7nF 50V X7R (MOQ:50x)	SMD capacitor KERKO 4.7nF 50X X7R (MOQ:50x)
C012	45193	SMD Kondensator KERKO 470pF 50V X7R (MOQ:50x)	SMD capacitor KERKO 470pF 50V X7R (MOQ:50x)
C013	45043	SMD Kondensator TA-KO 2,2uF 16V IEC 384,3	SMD capacitor TA-KO 2.2uF 16V IEC 384,3
C014	45043	SMD Kondensator TA-KO 2,2uF 16V IEC 384,3	SMD capacitor TA-KO 2.2uF 16V IEC 384,3
C015	45174	SMD Kondensator KERKO 10pF 50V NPO (MOQ:50x)	SMD capacitor KERKO 10pF 50V NPO (MOQ:50x)
			·
C016	45050	SMD Kondensator TA-KO 470nF 20V	SMD Capacitor TA-KO 470nF 20V
C017	45201	SMD Kondensator KERKO 10nF 50V X7R (MOQ:50x)	SMD capacitor KERKO 10nF 50V X7R (MOQ:50x)
C018	45043	SMD Kondensator TA-KO 2,2uF 16V IEC 384,3	SMD capacitor TA-KO 2.2uF 16V IEC 384,3
C019	45043	SMD Kondensator TA-KO 2,2uF 16V IEC 384,3	SMD capacitor TA-KO 2.2uF 16V IEC 384,3
C020	45050	SMD Kondensator TA-KO 470nF 20V	SMD Capacitor TA-KO 470nF 20V
C021	45043	SMD Kondensator TA-KO 2,2uF 16V IEC 384,3	SMD capacitor TA-KO 2.2uF 16V IEC 384,3
C022	45050	SMD Kondensator TA-KO 470nF 20V	SMD Capacitor TA-KO 470nF 20V
C023	45201	SMD Kondensator KERKO 10nF 50V X7R (MOQ:50x)	SMD capacitor KERKO 10nF 50V X7R (MOQ:50x)
C025	45043	SMD Kondensator TA-KO 2,2uF 16V IEC 384,3	SMD capacitor TA-KO 2.2uF 16V IEC 384,3
C026	19480	SMD Kondensator KERKO 100nF 50V X7R (MOQ:50x)	SMD capacitor KERKO 100nF 50V X7R (MOQ:50x)
C027	19480		SMD capacitor KERKO 100nF 50V X7R (MOQ:50x)
C028	19480		SMD capacitor KERKO 100nF 50V X7R (MOQ:50x)
C029	45195		SMD capacitor KERKO 1nF 50V X7R (MOQ:50x)
C030	45195		SMD capacitor KERKO 1nF 50V X7R (MOQ:50x)
C031	45186	SMD Kondensator KERKO 100pF 50V NPO (MOQ:50x)	SMD capacitor KERKO 100pF 50V NPO (MOQ:50x)
C032	45050	SMD Kondensator TA-KO 470nF 20V	SMD Capacitor TA-KO 470nF 20V
C033	45195	SMD Kondensator KERKO 1nF 50V X7R (MOQ:50x)	SMD capacitor KERKO 1nF 50V X7R (MOQ:50x)
C034	45195		SMD capacitor KERKO 1nF 50V X7R (MOQ:50x)
C035	45195		SMD capacitor KERKO 1nF 50V X7R (MOQ:50x)
C038	45186		SMD capacitor KERKO 100pF 50V NPO (MOQ:50x)
C039	45195		SMD capacitor KERKO 1nF 50V X7R (MOQ:50x)
C040	45050	SMD Kondensator TA-KO 470nF 20V	SMD Capacitor TA-KO 470nF 20V
C041A	45181	SMD Kondensator KERKO 39pF 50V NPO (MOQ:50x)	SMD capacitor KERKO 39pF 50V NPO (MOQ:50x)
		132-144MHz	132-144MHz
C041B	45180		SMD capacitor KERKO 33pF 50V NPO (MOQ:50x)
CUHID	45180		169-184MHz
00440		169-184MHz	
C041C	45175		SMD capacitor KERKO 12pF 50V NPO (MOQ:50x)
		183-200MHz	183-200MHz
C041D	45173	SMD Kondensator KERKO 8,2pF 50V NPO (MOQ:50x)	SMD capacitor KERKO 8.2pF 50V NPO (MOQ:50x)
		199-217MHz	199-217MHz
C041E	15170		SMD capacitor KERKO 27pF 50V NPO (MOQ:50x)
C041E	45179	· ·	
_		216-235MHz	216-235MHz
C041F	45179	SMD Kondensator KERKO 27pF 50V NPO (MOQ:50x)	SMD capacitor KERKO 27pF 50V NPO (MOQ:50x)
		234-260MHz	234-260MHz
C042A	45173	SMD Kondensator KERKO 8,2pF 50V NPO (MOQ:50x)	SMD capacitor KERKO 8.2pF 50V NPO (MOQ:50x)
		132-144MHz	132-144MHz
C042B	45170		SMD capacitor KERKO 6.8pF 50V NPO (MOQ:50x)
U042B	45172		
		169-184MHz	169-184MHz
C042C	45170	SMD Kondensator KERKO 4,7pF 50V NPO KEFQ (MOQ:50x)	SMD capacitor KERKO 4.7pF 50V NPO KEFQ (MOQ:50x
		183-200MHz	183-200MHz
C042D	45169		SMD capacitor KERKO 1.8pF 50V NPO (MOQ:50x)
33720	75100	•	199-217MHz
00405		199-217MHz	
C042E	45169	·	SMD capacitor KERKO 3.9pF 50V NPO (MOQ:50x)
		216-235MHz	216-235MHz
C042F	4516	7 SMD Kondensator KERKO 2,7pF 50V NPO (MOQ:50x)	SMD capacitor KERKO 2.7pF 50V NPO (MOQ:50x)
	1		234-260MHz
		234-260MHz	1 234-200MH2

POS	IDENT	BEZEICHNUNG	DESCRIPTION
C044A	45184	SMD Kondensator KERKO 68pF 50V NPO (MOQ:50x)	SMD capacitor KERKO 68pF 50V NPO (MOQ:50x)
		132-144MHz	132-144MHz SMD capacitor KERKO 82pF 50V NPO (MOQ:50x)
C044B	45185	SMD Kondensator KERKO 82pF 50V NPO (MOQ:50x) 169-184, 216-235MHz	169-184, 216-235MHz
C044C	45182	SMD Kondensator KERKO 47pF 50V NPO (MOQ:50x) 183-200, 234-260MHz	SMD capacitor KERKO 47pF 50V NPO (MOQ:50x) 183-200, 234-260MHz
C044D	45179	SMD Kondensator KERKO 27pF 50V NPO (MOQ:50x)	SMD capacitor KERKO 27pF 50V NPO (MOQ:50x)
C045	45195	SMD Kondensator KERKO 1nF 50V X7R (MOQ:50x)	SMD capacitor KERKO 1nF 50V X7R (MOQ:50x)
C046A	45176	SMD Kondensator KERKO 15pF 50V NPO (MOQ:50x) 132-184MHz	SMD capacitor KERKO 15pF 50V NPO (MOQ:50x)
C046B	45177	SMD Kondensator KERKO 18pF 50V NPO (MOQ:50x) 183-217, 234-260MHz	SMD capacitor KERKO 18pF 50V NPO (MOQ:50x) 183-217, 234-260MHz
C046C	45178	SMD Kondensator KERKO 22pF 50V NPO (MOQ:50x)	SMD capacitor KERKO 22pF 50V NPO (MOQ:50x) 216-235MHz
C047	45175	SMD Kondensator KERKO 12pF 50V NPO (MOQ:50x)	SMD capacitor KERKO 12pF 50V NPO (MOQ:50x)
C048A	45178	SMD Kondensator KERKO 22pF 50V NPO (MOQ:50x)	SMD capacitor KERKO 22pF 50V NPO (MOQ:50x)
C048B	45177	132-184MHz SMD Kondensator KERKO 18pF 50V NPO (MOQ:50x)	SMD capacitor KERKO 18pF 50V NPO (MOQ:50x)
C048C	45178	183-217, 234-260MHz SMD Kondensator KERKO 22pF 50V NPO (MOQ:50x)	183-217, 234-260MHz SMD capacitor KERKO 22pF 50V NPO (MOQ:50x)
		216-235MHz	216-235MHz
C049	45201	SMD Kondensator KERKO 10nF 50V X7R (MOQ:50x) SMD Kondensator TA-ELKO 22uF 10V	SMD capacitor KERKO 10nF 50V X7R (MOQ:50x) SMD capacitor TA-ELKO 22uF 10V
C051	41415 45201		SMD capacitor KERKO 10nF 50V X7R (MOQ:50x)
C052 C053	45201		SMD capacitor KERKO 1pF 50V NPO (MOQ:50x)
C054	45186		SMD capacitor KERKO 100pF 50V NPO (MOQ:50x)
C055	45201	SMD Kondensator KERKO 10nF 50V X7R (MOQ:50x)	SMD capacitor KERKO 10nF 50V X7R (MOQ:50x)
C057	45195		SMD capacitor KERKO 1nF 50V X7R (MOQ:50x)
C059	41415		SMD capacitor TA-ELKO 22uF 10V
C060	45195		SMD capacitor KERKO 1nF 50V X7R (MOQ:50x)
C061	45201		SMD capacitor KERKO 10nF 50V X7R (MOQ:50x)
C062	45186	SMD Kondensator KERKO 100pF 50V NPO (MOQ:50x)	SMD capacitor KERKO 100pF 50V NPO (MOQ:50x)
C063A	45167		SMD capacitor KERKO 2.7pF 50V NPO (MOQ:50x) 132-144MHz
C063B	45171	SMD Kondensator KERKO 5,6pF 50V NPO (MOQ:50x)	SMD capacitor KERKO 5.6pF 50V NPO (MOQ:50x) 169-184MHz
C063C	45169		SMD capacitor KERKO 3.9pF 50V NPO (MOQ:50x) 183-217MHz
C063D	45170		SMD capacitor KERKO 4.7pF 50V NPO KEFQ (MOQ:50x) 216-235MHz
C063E	45168		SMD capacitor KERKO 3.3pF 50V NPO (MOQ:50x) 234-260MHz
C065	45195		SMD capacitor KERKO 1nF 50V X7R (MOQ:50x)
C066	45201		SMD capacitor KERKO 10nF 50V X7R (MOQ:50x)
C067	45043		SMD capacitor TA-KO 2.2uF 16V IEC 384,3
C067	45201		SMD capacitor KERKO 10nF 50V X7R (MOQ:50x)
C069	45201		SMD capacitor KERKO 10nF 50V X7R (MOQ:50x)
C070	45195		SMD capacitor KERKO 1nF 50V X7R (MOQ:50x)
C071A	45179		SMD capacitor KERKO 27pF 50V NPO (MOQ:50x)
C071B	45178		SMD capacitor KERKO 22pF 50V NPO (MOQ:50x) 169-200MHz
C071C	45176		SMD capacitor KERKO 15pF 50V NPO (MOQ:50x)
C071D	45177	SMD Kondensator KERKO 18pF 50V NPO (MOQ:50x)	SMD capacitor KERKO 18pF 50V NPO (MOQ:50x)
C072A	45180		SMD capacitor KERKO 33pF 50V NPO (MOQ:50x)
C072B	45178		SMD capacitor KERKO 22pF 50V NPO (MOQ:50x) 183-217, 234-260MHz
C072C	45179		SMD capacitor KERKO 27pF 50V NPO (MOQ:50x) 216-235MHz
C073A	4517!		SMD capacitor KERKO 12pF 50V NPO (MOQ:50x)
C073B	45170		SMD capacitor KERKO 15pF 50V NPO (MOQ:50x)
C073C	4517		SMD capacitor KERKO 8.2pF 50V NPO (MOQ:50x)
C073D	4517		SMD capacitor KERKO 10pF 50V NPO (MOQ:50x)
C073E	4517	199-217MHz 2 SMD Kondensator KERKO 6,8pF 50V NPO (MOQ:50x) 216-235MHz	SMD capacitor KERKO 6.8pF 50V NPO (MOQ:50x) 216-235MHz

C085 4504 C086 4141 C087 4141 C090 4519 C092 4520 C093 4517 C094 4518 C095 4519 C096 1948 C100 4522 C101 4520 C102 1948 C103 4520 C104 1948 C105 1948 C106 4504 C107 4504 C110 1948 C111 4520 C112 4520 C112 4520 C113 4518 C114 4518 D001 4544 D002 4530 D003 4530 D003 3212 L004A 4545 L004B 4698 L004C 4567 L006B 4573	234-260MHz SMD Kondensator KERKO 6,8pF 50V NPO (MOQ:50x) 132-144, 169-184MHz SMD Kondensator KERKO 5,6pF 50V NPO (MOQ:50x) 183-200MHz SMD Kondensator KERKO 4,7pF 50V NPO KEFQ (MOQ:50x) 199-217MHz SMD Kondensator KERKO 3,9pF 50V NPO (MOQ:50x) 216-235MHz SMD Kondensator KERKO 3,3pF 50V NPO (MOQ:50x) 234-260MHz SMD Kondensator KERKO 33pF 50V NPO (MOQ:50x) 234-260MHz SMD Kondensator KERKO 33pF 50V NPO (MOQ:50x) 132-144, 169-184MHz SMD Kondensator KERKO 22pF 50V NPO (MOQ:50x) 183-260MHz SMD Kondensator TA-KO 470nF 20V SMD Kondensator TA-KO 470nF 20V SMD Kondensator TA-KO 2,2uF 16V IEC 384,3 SMD Kondensator TA-ELKO 22uF 10V SMD Kondensator TA-ELKO 22uF 10V SMD Kondensator TA-ELKO 22uF 10V SMD Kondensator KERKO 10nF 50V X7R (MOQ:50x) SMD Kondensator KERKO 10nF 50V X7R (MOQ:50x) SMD Kondensator KERKO 27pF 50V NPO (MOQ:50x) SMD Kondensator KERKO 17pF 50V NPO (MOQ:50x)	SMD capacitor KERKO 5.6pF 50V NPO (MOQ:50x) 234-260MHz SMD capacitor KERKO 6.8pF 50V NPO (MOQ:50x) 132-144, 169-184Mhz SMD capacitor KERKO 5.6pF 50V NPO (MOQ:50x) 183-200MHz SMD capacitor KERKO 4.7pF 50V NPO (MOQ:50x) 199-217MHz SMD capacitor KERKO 3.9pF 50V NPO (MOQ:50x) 216-235MHz SMD capacitor KERKO 3.3pF 50V NPO (MOQ:50x) 234-260MHz SMD capacitor KERKO 33pF 50V NPO (MOQ:50x) 132-144, 169-184MHz SMD capacitor KERKO 22pF 50V NPO (MOQ:50x) 132-144, 169-184MHz SMD capacitor TA-KO 470nF 20V SMD Capacitor TA-KO 470nF 20V SMD capacitor TA-KO 470nF 20V SMD capacitor TA-KO 2.2uF 16V IEC 384,3 SMD capacitor TA-ELKO 22uF 10V SMD capacitor TA-ELKO 22uF 10V SMD capacitor KERKO 10nF 50V X7R (MOQ:50x) SMD capacitor KERKO 10nF 50V X7R (MOQ:50x) SMD capacitor KERKO 17pF 50V NPO (MOQ:50x) SMD capacitor KERKO 17pF 50V X7R (MOQ:50x)
C074B 45171 C074C 45176 C074D 45168 C074E 45168 C075A 45186 C075B 45178 C080 45056 C081 45056 C081 45056 C082 19488 C085 45046 C086 41411 C090 4519 C090 4519 C090 4519 C091 4519 C096 1948 C100 4522 C101 4520 C102 1948 C100 4522 C101 4520 C102 1948 C100 4522 C101 4520 C102 1948 C103 4520 C104 4504 C107 4504 C107 4504 C107 4504 C107 4504 C110 1948 C106 4504 C107 4504 C111 4520 C112 4520 C113 4518 C114 4518 D001 4544 D002 3212 L004A 4548 L004B 4698 L004C 4567 L004D 4548 L006B 4577 L006B 4577	SMD Kondensator KERKO 6,8pF 50V NPO (MOQ:50x) 132-144, 169-184MHz SMD Kondensator KERKO 5,6pF 50V NPO (MOQ:50x) 183-200MHz SMD Kondensator KERKO 4,7pF 50V NPO KEFQ (MOQ:50x) 199-217MHz SMD Kondensator KERKO 3,9pF 50V NPO (MOQ:50x) 216-235MHz SMD Kondensator KERKO 3,3pF 50V NPO (MOQ:50x) 234-260MHz SMD Kondensator KERKO 33pF 50V NPO (MOQ:50x) 132-144, 169-184MHz SMD Kondensator KERKO 22pF 50V NPO (MOQ:50x) 132-144, 169-184MHz SMD Kondensator KERKO 22pF 50V NPO (MOQ:50x) 183-260MHz SMD Kondensator TA-KO 470nF 20V SMD Kondensator TA-KO 470nF 20V SMD Kondensator TA-KO 470nF 20V SMD Kondensator TA-KO 2,2uF 16V IEC 384,3 SMD Kondensator TA-ELKO 22uF 10V SMD Kondensator TA-ELKO 22uF 10V SMD Kondensator TA-ELKO 22uF 10V SMD Kondensator KERKO 10nF 50V X7R (MOQ:50x) SMD Kondensator KERKO 27pF 50V NPO (MOQ:50x) SMD Kondensator KERKO 47pF 50V NPO (MOQ:50x) SMD Kondensator KERKO 10nF 50V X7R (MOQ:50x)	SMD capacitor KERKO 6.8pF 50V NPO (MOQ:50x) 132-144, 169-184Mhz SMD capacitor KERKO 5.6pF 50V NPO (MOQ:50x) 183-200MHz SMD capacitor KERKO 4.7pF 50V NPO KEFQ (MOQ:50x) 199-217MHz SMD capacitor KERKO 3.9pF 50V NPO (MOQ:50x) 216-235MHz SMD capacitor KERKO 3.3pF 50V NPO (MOQ:50x) 234-260MHz SMD capacitor KERKO 33pF 50V NPO (MOQ:50x) 132-144, 169-184MHz SMD capacitor KERKO 22pF 50V NPO (MOQ:50x) 132-144, 169-184MHz SMD capacitor KERKO 22pF 50V NPO (MOQ:50x) 183-260MHz SMD Capacitor TA-KO 470nF 20V SMD Capacitor TA-KO 470nF 20V SMD capacitor TA-KO 470nF 50V X7R (MOQ:50x) SMD capacitor TA-ELKO 22uF 16V IEC 384,3 SMD capacitor TA-ELKO 22uF 10V SMD capacitor TA-ELKO 22uF 10V SMD capacitor KERKO 10nF 50V X7R (MOQ:50x) SMD capacitor KERKO 10nF 50V X7R (MOQ:50x) SMD capacitor KERKO 17pF 50V NPO (MOQ:50x) SMD capacitor KERKO 17pF 50V NPO (MOQ:50x) SMD capacitor KERKO 10nF 50V X7R (MOQ:50x)
C074C 45170 C074D 45168 C074E 45168 C075A 45180 C075B 45178 C080 45050 C081 45050 C082 19480 C085 45040 C086 41411 C090 4519 C092 4520 C093 4517 C094 4518 C095 4519 C096 1948 C100 4522 C101 4520 C102 1948 C103 4520 C104 1948 C105 4504 C107 4504 C110 1948 C106 4504 C107 4504 C110 1948 C111 4520 C111 4520 C111 4520 C112 4520 C113 4518 C114 4518 D001 4544 D002 4530 D003 4530 D003 4530 L004A 4548 L004B 4698 L004C 4566 L004D 4548 L006B 4575	SMD Kondensator KERKO 5,6pF 50V NPO (MOQ:50x) 183-200MHz SMD Kondensator KERKO 4,7pF 50V NPO KEFQ (MOQ:50x) 199-217MHz SMD Kondensator KERKO 3,9pF 50V NPO (MOQ:50x) 216-235MHz SMD Kondensator KERKO 3,3pF 50V NPO (MOQ:50x) 234-260MHz SMD Kondensator KERKO 33pF 50V NPO (MOQ:50x) 132-144, 169-184MHz SMD Kondensator KERKO 22pF 50V NPO (MOQ:50x) 183-260MHz SMD Kondensator KERKO 22pF 50V NPO (MOQ:50x) 183-260MHz SMD Kondensator TA-KO 470nF 20V SMD Kondensator TA-KO 470nF 20V SMD Kondensator TA-KO 470nF 20V SMD Kondensator TA-KO 2,2uF 16V IEC 384,3 SMD Kondensator TA-ELKO 22uF 10V SMD Kondensator TA-ELKO 22uF 10V SMD Kondensator TA-ELKO 22uF 10V SMD Kondensator KERKO 10nF 50V X7R (MOQ:50x) SMD Kondensator KERKO 10nF 50V X7R (MOQ:50x) SMD Kondensator KERKO 17PF 50V NPO (MOQ:50x) SMD Kondensator KERKO 17PF 50V NPO (MOQ:50x) SMD Kondensator KERKO 10nF 50V X7R (MOQ:50x)	SMD capacitor KERKO 5.6pF 50V NPO (MOQ:50x) 183-200MHz SMD capacitor KERKO 4.7pF 50V NPO KEFQ (MOQ:50x) 199-217MHz SMD capacitor KERKO 3.9pF 50V NPO (MOQ:50x) 216-235MHz SMD capacitor KERKO 3.3pF 50V NPO (MOQ:50x) 234-260MHz SMD capacitor KERKO 33pF 50V NPO (MOQ:50x) 132-144, 169-184MHz SMD capacitor KERKO 22pF 50V NPO (MOQ:50x) 183-260MHz SMD capacitor KERKO 22pF 50V NPO (MOQ:50x) 183-260MHz SMD Capacitor TA-KO 470nF 20V SMD Capacitor TA-KO 470nF 20V SMD capacitor TA-KO 470nF 50V X7R (MOQ:50x) SMD capacitor TA-KO 2.2uF 16V IEC 384,3 SMD capacitor TA-ELKO 22uF 10V SMD capacitor TA-ELKO 22uF 10V SMD capacitor KERKO 10nF 50V X7R (MOQ:50x) SMD capacitor KERKO 10nF 50V X7R (MOQ:50x) SMD capacitor KERKO 17pF 50V NPO (MOQ:50x) SMD capacitor KERKO 17pF 50V NPO (MOQ:50x) SMD capacitor KERKO 10nF 50V X7R (MOQ:50x)
C074D 45168 C075A 45186 C075B 45178 C080 45056 C081 45056 C082 19486 C085 45046 C086 4141 C087 4141 C090 4519 C092 4520 C093 4517 C094 4518 C095 4519 C096 1948 C100 4522 C101 4520 C102 1948 C100 4522 C101 4520 C102 1948 C103 4520 C104 1948 C105 1940 C110 1948 C106 4504 C107 4504 C110 1948 C111 4520 C112 4520 C113 4518 C114 4518 D001 4544 D002 4530 D003 4530 L002 3212 L004A 4545 L004B 4698 L004C 4567 L006B 4577 L006B 4577	SMD Kondensator KERKO 4,7pF 50V NPO KEFQ (MOQ:50x) 199-217MHz SMD Kondensator KERKO 3,9pF 50V NPO (MOQ:50x) 216-235MHz SMD Kondensator KERKO 3,3pF 50V NPO (MOQ:50x) 234-260MHz SMD Kondensator KERKO 33pF 50V NPO (MOQ:50x) 132-144, 169-184MHz SMD Kondensator KERKO 22pF 50V NPO (MOQ:50x) 132-144, 169-184MHz SMD Kondensator KERKO 22pF 50V NPO (MOQ:50x) 183-260MHz SMD Kondensator TA-KO 470nF 20V SMD Kondensator TA-KO 470nF 20V SMD Kondensator TA-KO 470nF 20V SMD Kondensator TA-KO 2,2uF 16V IEC 384,3 SMD Kondensator TA-ELKO 22uF 10V SMD Kondensator TA-ELKO 22uF 10V SMD Kondensator KERKO 10nF 50V X7R (MOQ:50x) SMD Kondensator KERKO 10nF 50V X7R (MOQ:50x) SMD Kondensator KERKO 17pF 50V NPO (MOQ:50x) SMD Kondensator KERKO 17pF 50V X7R (MOQ:50x) SMD Kondensator KERKO 10nF 50V X7R (MOQ:50x)	199-217MHz SMD capacitor KERKO 3.9pF 50V NPO (MOQ:50x) 216-235MHz SMD capacitor KERKO 3.3pF 50V NPO (MOQ:50x) 234-260MHz SMD capacitor KERKO 33pF 50V NPO (MOQ:50x) 132-144, 169-184MHz SMD capacitor KERKO 22pF 50V NPO (MOQ:50x) 132-144, 169-184MHz SMD capacitor TA-KO 22pF 50V NPO (MOQ:50x) 183-260MHz SMD Capacitor TA-KO 470nF 20V SMD Capacitor TA-KO 470nF 20V SMD capacitor TA-KO 470nF 50V X7R (MOQ:50x) SMD capacitor TA-KO 2.2uF 16V IEC 384,3 SMD capacitor TA-ELKO 22uF 10V SMD capacitor TA-ELKO 22uF 10V SMD capacitor KERKO 10nF 50V X7R (MOQ:50x) SMD capacitor KERKO 10nF 50V X7R (MOQ:50x) SMD capacitor KERKO 27pF 50V NPO (MOQ:50x) SMD capacitor KERKO 47pF 50V NPO (MOQ:50x) SMD capacitor KERKO 1nF 50V X7R (MOQ:50x) SMD capacitor KERKO 10nF 50V X7R (MOQ:50x)
C074E 45168 C075A 45180 C075B 45178 C080 45050 C081 45051 C082 19480 C085 45040 C086 4141 C090 4519 C092 4520 C093 4517 C094 45180 C095 4519 C096 19480 C100 4522 C101 4520 C102 19480 C103 4520 C104 19480 C105 19480 C106 45040 C110 19480 C111 4520 C112 4520 C111 4520 C112 4520 C113 4518 C114 4518 D001 4544 D002 4530 D003 4530 D003 4530 L002 4530 L004A 4548 L004B 4698 L004C 4567 L006B 4573 L006B 4573	216-235MHz SMD Kondensator KERKO 3,3pF 50V NPO (MOQ:50x) 234-260MHz SMD Kondensator KERKO 33pF 50V NPO (MOQ:50x) 132-144, 169-184MHz SMD Kondensator KERKO 22pF 50V NPO (MOQ:50x) 183-260MHz SMD Kondensator TA-KO 470nF 20V SMD Kondensator TA-KO 2,2uF 16V IEC 384,3 SMD Kondensator TA-ELKO 22uF 10V SMD Kondensator TA-ELKO 22uF 10V SMD Kondensator TA-ELKO 22uF 10V SMD Kondensator KERKO 10nF 50V X7R (MOQ:50x) SMD Kondensator KERKO 10nF 50V X7R (MOQ:50x) SMD Kondensator KERKO 27pF 50V NPO (MOQ:50x) SMD Kondensator KERKO 47pF 50V NPO (MOQ:50x) SMD Kondensator KERKO 1nF 50V X7R (MOQ:50x) SMD Kondensator KERKO 10nF 50V X7R (MOQ:50x)	216-235MHz SMD capacitor KERKO 3.3pF 50V NPO (MOQ:50x) 234-260MHz SMD capacitor KERKO 33pF 50V NPO (MOQ:50x) 132-144, 169-184MHz SMD capacitor KERKO 22pF 50V NPO (MOQ:50x) 183-260MHz SMD Capacitor TA-KO 470nF 20V SMD Capacitor TA-KO 470nF 20V SMD capacitor TA-KO 470nF 20V SMD capacitor TA-KO 470nF 50V X7R (MOQ:50x) SMD capacitor TA-KO 2.2uF 16V IEC 384,3 SMD capacitor TA-ELKO 22uF 10V SMD capacitor TA-ELKO 22uF 10V SMD capacitor KERKO 10nF 50V X7R (MOQ:50x) SMD capacitor KERKO 2.2nF 50V X7R (MOQ:50x) SMD capacitor KERKO 10nF 50V X7R (MOQ:50x) SMD capacitor KERKO 47pF 50V NPO (MOQ:50x) SMD capacitor KERKO 1nF 50V X7R (MOQ:50x) SMD capacitor KERKO 10nF 50V X7R (MOQ:50x)
C075A 45180 C075B 45176 C080 45056 C081 45056 C082 19488 C085 45046 C086 4141 C090 4519 C092 4520 C093 4517 C094 4518 C095 1948 C100 4522 C101 4520 C102 1948 C103 4520 C104 1948 C105 1948 C106 4504 C107 4504 C110 14520 C111 4520 C112 4520 C113 4518 C114 4518 D001 4544 D002 4530 D003 4530 L002 4530 L004A 4545 L004B 4698 L004C 4567 L006B 4575	234-260MHz SMD Kondensator KERKO 33pF 50V NPO (MOQ:50x) 132-144, 169-184MHz SMD Kondensator KERKO 22pF 50V NPO (MOQ:50x) 183-260MHz SMD Kondensator TA-KO 470nF 20V SMD Kondensator TA-KO 470nF 20V SMD Kondensator TA-KO 470nF 50V SMD Kondensator TA-KO 470nF 50V SMD Kondensator TA-KO 22uF 16V IEC 384,3 SMD Kondensator TA-ELKO 22uF 10V SMD Kondensator TA-ELKO 22uF 10V SMD Kondensator TA-ELKO 22uF 10V SMD Kondensator KERKO 10nF 50V X7R (MOQ:50x) SMD Kondensator KERKO 27pF 50V NPO (MOQ:50x) SMD Kondensator KERKO 47pF 50V NPO (MOQ:50x) SMD Kondensator KERKO 47pF 50V NPO (MOQ:50x) SMD Kondensator KERKO 10nF 50V X7R (MOQ:50x)	234-260MHz SMD capacitor KERKO 33pF 50V NPO (MOQ:50x) 132-144, 169-184MHz SMD capacitor KERKO 22pF 50V NPO (MOQ:50x) 183-260MHz SMD Capacitor TA-KO 470nF 20V SMD Capacitor TA-KO 470nF 20V SMD capacitor TA-KO 470nF 50V X7R (MOQ:50x) SMD capacitor TA-KO 2.2uF 16V IEC 384,3 SMD capacitor TA-ELKO 22uF 10V SMD capacitor TA-ELKO 22uF 10V SMD capacitor TA-ELKO 22uF 10V SMD capacitor KERKO 10nF 50V X7R (MOQ:50x) SMD capacitor KERKO 10nF 50V X7R (MOQ:50x) SMD capacitor KERKO 47pF 50V NPO (MOQ:50x) SMD capacitor KERKO 1nF 50V X7R (MOQ:50x) SMD capacitor KERKO 10nF 50V X7R (MOQ:50x)
C075B 45178 C080 45056 C081 45056 C081 45046 C085 45046 C086 41411 C090 4519 C092 4520 C093 4517 C094 4518 C095 4519 C096 1948 C100 4522 C101 4520 C102 1948 C103 4520 C104 1948 C105 1948 C106 4504 C107 4504 C110 1948 C101 4520 C111 4520 C112 4520 C112 4520 C113 4518 C114 4518 D001 4544 D002 4536 L004A 4548 L004B 4698 L004C 4566 L004D 4548 L006B 4575	132-144, 169-184MHz SMD Kondensator KERKO 22pF 50V NPO (MOQ:50x) 183-260MHz SMD Kondensator TA-KO 470nF 20V SMD Kondensator TA-KO 470nF 20V SMD Kondensator KERKO 100nF 50V X7R (MOQ:50x) SMD Kondensator TA-KO 2,2uF 16V IEC 384,3 SMD Kondensator TA-ELKO 22uF 10V SMD Kondensator TA-ELKO 22uF 10V SMD Kondensator TA-ELKO 22uF 10V SMD Kondensator KERKO 10nF 50V X7R (MOQ:50x) SMD Kondensator KERKO 2,2nF 50V NPO (MOQ:50x) SMD Kondensator KERKO 27pF 50V NPO (MOQ:50x) SMD Kondensator KERKO 47pF 50V NPO (MOQ:50x) SMD Kondensator KERKO 1nF 50V X7R (MOQ:50x) SMD Kondensator KERKO 10nF 50V X7R (MOQ:50x)	132-144, 169-184MHz SMD capacitor KERKO 22pF 50V NPO (MOQ:50x) 183-260MHz SMD Capacitor TA-KO 470nF 20V SMD Capacitor TA-KO 470nF 20V SMD capacitor KERKO 100nF 50V X7R (MOQ:50x) SMD capacitor TA-KO 2.2uF 16V IEC 384,3 SMD capacitor TA-ELKO 22uF 10V SMD capacitor TA-ELKO 22uF 10V SMD capacitor KERKO 10nF 50V X7R (MOQ:50x) SMD capacitor KERKO 2.2nF 50V X7R (MOQ:50x) SMD capacitor KERKO 27pF 50V NPO (MOQ:50x) SMD capacitor KERKO 47pF 50V NPO (MOQ:50x) SMD capacitor KERKO 10nF 50V X7R (MOQ:50x)
C080 45056 C081 45056 C082 19486 C085 45046 C086 41411 C087 41411 C090 4519 C092 4520 C093 4517 C094 4518 C095 4519 C096 1948 C100 4522 C101 4520 C102 1948 C103 4520 C104 1948 C106 4504 C107 4504 C110 1948 C110 4520 C111 4520 C111 4520 C112 4520 C114 4518 D001 4544 D002 4530 D003 4530 D003 4530 L004A 4548 L004B 4698 L004C 4566 L004D 4548 L006B 4575	183-260MHz SMD Kondensator TA-KO 470nF 20V SMD Kondensator TA-KO 470nF 20V SMD Kondensator TA-KO 470nF 20V SMD Kondensator KERKO 100nF 50V X7R (MOQ:50x) SMD Kondensator TA-KO 2,2uF 16V IEC 384,3 SMD Kondensator TA-ELKO 22uF 10V SMD Kondensator TA-ELKO 22uF 10V SMD Kondensator KERKO 2,2nF 50V X7R (MOQ:50x) SMD Kondensator KERKO 2,7nF 50V X7R (MOQ:50x) SMD Kondensator KERKO 10nF 50V X7R (MOQ:50x) SMD Kondensator KERKO 47pF 50V NPO (MOQ:50x) SMD Kondensator KERKO 10nF 50V X7R (MOQ:50x)	183-260MHz SMD Capacitor TA-KO 470nF 20V SMD Capacitor TA-KO 470nF 20V SMD capacitor KERKO 100nF 50V X7R (MOQ:50x) SMD capacitor TA-KO 2.2uF 16V IEC 384,3 SMD capacitor TA-ELKO 22uF 10V SMD capacitor TA-ELKO 22uF 10V SMD capacitor KERKO 2.2nF 50V X7R (MOQ:50x) SMD capacitor KERKO 2.2nF 50V X7R (MOQ:50x) SMD capacitor KERKO 10nF 50V X7R (MOQ:50x) SMD capacitor KERKO 27pF 50V NPO (MOQ:50x) SMD capacitor KERKO 47pF 50V NPO (MOQ:50x) SMD capacitor KERKO 10nF 50V X7R (MOQ:50x)
C081 4505i C082 1948i C085 4504i C086 4141i C087 4141 C090 4519 C092 4520 C093 4517 C094 4518 C095 4519 C096 1948 C100 4522 C101 4520 C102 1948 C103 4520 C104 1948 C105 1450 C110 1948 C107 4504 C107 4504 C110 1948 C111 4520 C112 4520 C113 4518 C114 4518 D001 4544 D002 4530 D003 4530 L002 3212 L004A 4545 L004B 4698 L004C 4566 L004D 4545 L006B 4573	SMD Kondensator TA-KO 470nF 20V	SMD Capacitor TA-KO 470nF 20V SMD capacitor KERKO 100nF 50V X7R (MOQ:50x) SMD capacitor TA-KO 2.2uF 16V IEC 384,3 SMD capacitor TA-ELKO 22uF 10V SMD capacitor TA-ELKO 22uF 10V SMD capacitor KERKO 2.2nF 50V X7R (MOQ:50x) SMD capacitor KERKO 10nF 50V X7R (MOQ:50x) SMD capacitor KERKO 17pF 50V NPO (MOQ:50x) SMD capacitor KERKO 47pF 50V NPO (MOQ:50x) SMD capacitor KERKO 10nF 50V X7R (MOQ:50x)
C082	9480 SMD Kondensator KERKO 100nF 50V X7R (MOQ:50x) 5043 SMD Kondensator TA-KO 2,2uF 16V IEC 384,3 SMD Kondensator TA-ELKO 22uF 10V SMD Kondensator TA-ELKO 22uF 10V SMD Kondensator KERKO 2,2nF 50V X7R (MOQ:50x) SMD Kondensator KERKO 10nF 50V X7R (MOQ:50x) SMD Kondensator KERKO 10nF 50V X7R (MOQ:50x) SMD Kondensator KERKO 27pF 50V NPO (MOQ:50x) SMD Kondensator KERKO 47pF 50V NPO (MOQ:50x) SMD Kondensator KERKO 1nF 50V X7R (MOQ:50x) SMD Kondensator KERKO 100nF 50V X7R (MOQ:50x)	SMD capacitor KERKO 100nF 50V X7R (MOQ:50x) SMD capacitor TA-KO 2.2uF 16V IEC 384,3 SMD capacitor TA-ELKO 22uF 10V SMD capacitor TA-ELKO 22uF 10V SMD capacitor KERKO 2.2nF 50V X7R (MOQ:50x) SMD capacitor KERKO 10nF 50V X7R (MOQ:50x) SMD capacitor KERKO 17pF 50V NPO (MOQ:50x) SMD capacitor KERKO 47pF 50V NPO (MOQ:50x) SMD capacitor KERKO 1nF 50V X7R (MOQ:50x) SMD capacitor KERKO 10nF 50V X7R (MOQ:50x) SMD capacitor KERKO 10nF 50V X7R (MOQ:50x) SMD capacitor TA-KO 47uF 10V SMD capacitor KERKO 10nF 50V X7R (MOQ:50x) SMD capacitor KERKO 10nF 50V X7R (MOQ:50x)
C085	SMD Kondensator TA-KO 2,2uF 16V IEC 384,3 SMD Kondensator TA-ELKO 22uF 10V SMD Kondensator TA-ELKO 22uF 10V SMD Kondensator KERKO 2,2nF 50V X7R (MOQ:50x) SMD Kondensator KERKO 10nF 50V X7R (MOQ:50x) SMD Kondensator KERKO 27pF 50V NPO (MOQ:50x) SMD Kondensator KERKO 27pF 50V NPO (MOQ:50x) SMD Kondensator KERKO 47pF 50V NPO (MOQ:50x) SMD Kondensator KERKO 1nF 50V X7R (MOQ:50x) SMD Kondensator KERKO 100nF 50V X7R (MOQ:50x) SMD Kondensator TA-KO 47uF 10V SMD Kondensator KERKO 10nF 50V X7R (MOQ:50x) SMD Kondensator KERKO 100nF 50V X7R (MOQ:50x)	SMD capacitor TA-KO 2.2uF 16V IEC 384,3 SMD capacitor TA-ELKO 22uF 10V SMD capacitor TA-ELKO 22uF 10V SMD capacitor KERKO 2.2nF 50V X7R (MOQ:50x) SMD capacitor KERKO 10nF 50V X7R (MOQ:50x) SMD capacitor KERKO 27pF 50V NPO (MOQ:50x) SMD capacitor KERKO 47pF 50V NPO (MOQ:50x) SMD capacitor KERKO 1nF 50V X7R (MOQ:50x) SMD capacitor KERKO 10nF 50V X7R (MOQ:50x)
C086 4141 C087 4141 C090 4519 C092 4520 C093 4517 C094 4518 C095 4519 C096 1948 C100 4522 C101 4520 C102 1948 C103 4520 C104 1948 C105 1948 C106 4504 C107 4504 C107 4504 C110 1948 C111 4520 C111 4520 C111 4518 C114 4518 D001 4544 D002 4530 D003 4530 D003 4530 L004 4545 L004B 4698 L004C 4566 L004D 4545 L006B 4575	SMD Kondensator TA-ELKO 22uF 10V	SMD capacitor TA-ELKO 22uF 10V SMD capacitor TA-ELKO 22uF 10V SMD capacitor KERKO 2.2nF 50V X7R (MOQ:50x) SMD capacitor KERKO 10nF 50V X7R (MOQ:50x) SMD capacitor KERKO 27pF 50V NPO (MOQ:50x) SMD capacitor KERKO 47pF 50V NPO (MOQ:50x) SMD capacitor KERKO 41nF 50V X7R (MOQ:50x) SMD capacitor KERKO 10nF 50V X7R (MOQ:50x)
C087	SMD Kondensator TA-ELKO 22uF 10V	SMD capacitor TA-ELKO 22uF 10V SMD capacitor KERKO 2.2nF 50V X7R (MOQ:50x) SMD capacitor KERKO 10nF 50V X7R (MOQ:50x) SMD capacitor KERKO 27pF 50V NPO (MOQ:50x) SMD capacitor KERKO 47pF 50V NPO (MOQ:50x) SMD capacitor KERKO 1nF 50V X7R (MOQ:50x) SMD capacitor KERKO 100nF 50V X7R (MOQ:50x) SMD capacitor KERKO 100nF 50V X7R (MOQ:50x) SMD capacitor TA-KO 47uF 10V SMD capacitor KERKO 10nF 50V X7R (MOQ:50x) SMD capacitor KERKO 100nF 50V X7R (MOQ:50x)
C090 4519 C092 4520 C093 4517 C094 4518 C095 4519 C096 1948 C100 4522 C101 4520 C102 1948 C105 1948 C106 4504 C107 4504 C110 1948 C107 4504 C111 4520 C112 4520 C113 4518 C114 4518 D001 4544 D002 4530 D003 4530 L002 3212 L003 3212 L004B 4698 L004C 4566 L004D 4548 L006B 4573	SMD Kondensator KERKO 2,2nF 50V X7R (MOQ:50x) SMD Kondensator KERKO 10nF 50V X7R (MOQ:50x) SMD Kondensator KERKO 27pF 50V NPO (MOQ:50x) SMD Kondensator KERKO 47pF 50V NPO (MOQ:50x) SMD Kondensator KERKO 1nF 50V X7R (MOQ:50x) SMD Kondensator KERKO 100nF 50V X7R (MOQ:50x) SMD Kondensator KERKO 100nF 50V X7R (MOQ:50x) SMD Kondensator TA-KO 47uF 10V SMD Kondensator KERKO 10nF 50V X7R (MOQ:50x) SMD Kondensator KERKO 10nF 50V X7R (MOQ:50x) SMD Kondensator KERKO 100nF 50V X7R (MOQ:50x)	SMD capacitor KERKO 2.2nF 50V X7R (MOQ:50x) SMD capacitor KERKO 10nF 50V X7R (MOQ:50x) SMD capacitor KERKO 27pF 50V NPO (MOQ:50x) SMD capacitor KERKO 47pF 50V NPO (MOQ:50x) SMD capacitor KERKO 1nF 50V X7R (MOQ:50x) SMD capacitor KERKO 100nF 50V X7R (MOQ:50x) SMD capacitor TA-KO 47uF 10V SMD capacitor KERKO 10nF 50V X7R (MOQ:50x) SMD capacitor KERKO 10nF 50V X7R (MOQ:50x) SMD capacitor KERKO 100nF 50V X7R (MOQ:50x)
C092 4520 C093 4517 C094 4518 C095 4519 C096 1948 C100 4522 C101 4520 C102 1948 C103 4520 C104 1948 C106 4504 C107 4504 C110 1948 C111 4520 C112 4520 C114 4518 D001 4548 D001 4548 L004B 4698 L004C 4566 L004D 4548 L006B 4576 L006B 4576	SMD Kondensator KERKO 10nF 50V X7R (MOQ:50x)	SMD capacitor KERKO 10nF 50V X7R (MOQ:50x) SMD capacitor KERKO 27pF 50V NPO (MOQ:50x) SMD capacitor KERKO 47pF 50V NPO (MOQ:50x) SMD capacitor KERKO 1nF 50V X7R (MOQ:50x) SMD capacitor KERKO 100nF 50V X7R (MOQ:50x) SMD capacitor TA-KO 47uF 10V SMD capacitor KERKO 10nF 50V X7R (MOQ:50x) SMD capacitor KERKO 10nF 50V X7R (MOQ:50x) SMD capacitor KERKO 100nF 50V X7R (MOQ:50x)
C093	SMD Kondensator KERKO 27pF 50V NPO (MOQ:50x) SMD Kondensator KERKO 47pF 50V NPO (MOQ:50x) SMD Kondensator KERKO 1nF 50V X7R (MOQ:50x) SMD Kondensator KERKO 100nF 50V X7R (MOQ:50x) SMD Kondensator KERKO 100nF 50V X7R (MOQ:50x) SMD Kondensator TA-KO 47uF 10V SMD Kondensator KERKO 10nF 50V X7R (MOQ:50x) SMD Kondensator KERKO 100nF 50V X7R (MOQ:50x) SMD Kondensator KERKO 100nF 50V X7R (MOQ:50x)	SMD capacitor KERKO 27pF 50V NPO (MOQ:50x) SMD capacitor KERKO 47pF 50V NPO (MOQ:50x) SMD capacitor KERKO 1nF 50V X7R (MOQ:50x) SMD capacitor KERKO 100nF 50V X7R (MOQ:50x) SMD capacitor TA-KO 47uF 10V SMD capacitor KERKO 10nF 50V X7R (MOQ:50x) SMD capacitor KERKO 100nF 50V X7R (MOQ:50x)
C094 4518 C095 4519 C096 1948 C100 4522 C101 4520 C102 1948 C103 4520 C104 4504 C107 4504 C107 4504 C110 1948 C111 4520 C112 4520 C113 4518 C114 4518 D001 4544 D002 3212 L004A 4549 L004B 4698 L004C 4567 L006B 4577	SMD Kondensator KERKO 47pF 50V NPO (MOQ:50x) SMD Kondensator KERKO 1nF 50V X7R (MOQ:50x) SMD Kondensator KERKO 100nF 50V X7R (MOQ:50x) SMD Kondensator TA-KO 47uF 10V SMD Kondensator KERKO 10nF 50V X7R (MOQ:50x) SMD Kondensator KERKO 10nF 50V X7R (MOQ:50x) SMD Kondensator KERKO 100nF 50V X7R (MOQ:50x) SMD Kondensator KERKO 100nF 50V X7R (MOQ:50x)	SMD capacitor KERKO 47pF 50V NPO (MOQ:50x) SMD capacitor KERKO 1nF 50V X7R (MOQ:50x) SMD capacitor KERKO 100nF 50V X7R (MOQ:50x) SMD capacitor TA-KO 47uF 10V SMD capacitor KERKO 10nF 50V X7R (MOQ:50x) SMD capacitor KERKO 100nF 50V X7R (MOQ:50x)
C095 4519 C096 1948 C100 4522 C101 4520 C102 1948 C103 4520 C104 1948 C106 4504 C107 4504 C110 1948 C111 4520 C112 4520 C112 4520 C113 4518 C114 4518 D001 4544 D002 4530 D003 4530 D003 4530 L002 3212 L004A 4548 L004B 4698 L004C 4566 L004D 4548 L006B 4573	SMD Kondensator KERKO 1nF 50V X7R (MOQ:50x) 9480 SMD Kondensator KERKO 100nF 50V X7R (MOQ:50x) 95229 SMD Kondensator TA-KO 47uF 10V 95201 SMD Kondensator KERKO 10nF 50V X7R (MOQ:50x) 9480 SMD Kondensator KERKO 100nF 50V X7R (MOQ:50x)	SMD capacitor KERKO 1nF 50V X7R (MOQ:50x) SMD capacitor KERKO 100nF 50V X7R (MOQ:50x) SMD capacitor TA-KO 47uF 10V SMD capacitor KERKO 10nF 50V X7R (MOQ:50x) SMD capacitor KERKO 100nF 50V X7R (MOQ:50x)
C096 1948 C100 4522 C101 4520 C102 1948 C103 4520 C104 1948 C105 4504 C107 4504 C107 4504 C110 1948 C111 4520 C112 4520 C112 4520 C113 4518 C114 4518 D001 4544 D002 4530 D003 4530 L004 4545 L004B 4698 L004C 4567 L006B 4573	9480 SMD Kondensator KERKO 100nF 50V X7R (MOQ:50x) 15229 SMD Kondensator TA-KO 47uF 10V 15201 SMD Kondensator KERKO 10nF 50V X7R (MOQ:50x) 19480 SMD Kondensator KERKO 100nF 50V X7R (MOQ:50x)	SMD capacitor KERKO 100nF 50V X7R (MOQ:50x) SMD capacitor TA-KO 47uF 10V SMD capacitor KERKO 10nF 50V X7R (MOQ:50x) SMD capacitor KERKO 100nF 50V X7R (MOQ:50x)
C100	SMD Kondensator TA-KO 47uF 10V SMD Kondensator KERKO 10nF 50V X7R (MOQ:50x) SMD Kondensator KERKO 100nF 50V X7R (MOQ:50x)	SMD capacitor TA-KO 47uF 10V SMD capacitor KERKO 10nF 50V X7R (MOQ:50x) SMD capacitor KERKO 100nF 50V X7R (MOQ:50x)
C101	SMD Kondensator KERKO 10nF 50V X7R (MOQ:50x) SMD Kondensator KERKO 100nF 50V X7R (MOQ:50x)	SMD capacitor KERKO 10nF 50V X7R (MOQ:50x) SMD capacitor KERKO 100nF 50V X7R (MOQ:50x)
C102	9480 SMD Kondensator KERKO 100nF 50V X7R (MOQ:50x)	SMD capacitor KERKO 100nF 50V X7R (MOQ:50x)
C103		
C104 1948 C105 1948 C106 4504 C107 4504 C110 1948 C111 4520 C112 4520 C113 4518 C114 4518 D001 4544 D002 4533 D003 4533 L002 3212 L004 4548 L004B 4698 L004C 4566 L004D 4548 L006B 4573	15 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7	L CMAID assessment REDVO 10-E EOV/ VZD /MOO.EO./
C105 1948 C106 4504 C107 4504 C110 1948 C111 4520 C112 4520 C113 4518 C114 4518 D001 4530 D003 4530 L002 3212 L004A 4548 L004B 4698 L004C 4566 L004D 4548 L006B 4573		SMD capacitor KERKO 10nF 50V X7R (MOQ:50x)
C106 4504 C107 4504 C110 1948 C111 4520 C112 4520 C113 4518 C114 4518 D001 4544 D002 3212 L003 3212 L004A 4548 L004B 4698 L004C 4566 L006A 4573 L006B 4573		SMD capacitor KERKO 100nF 50V X7R (MOQ:50x)
C107		SMD capacitor KERKO 100nF 50V X7R (MOQ:50x)
C110		SMD capacitor TA-KO 2.2uF 16V IEC 384,3
C111 4520 C112 4520 C113 4518 C114 4518 D001 4530 D002 4530 D003 4530 L002 3212 L003 3212 L004A 4548 L004B 4698 L004C 4566 L004D 4548 L005 3212 L006A 4573		SMD capacitor TA-KO 2.2uF 16V IEC 384,3 SMD capacitor KERKO 100nF 50V X7R (MOQ:50x)
C112		SMD capacitor KERKO 100H 50V X7R (MOQ:50x)
C113		SMD capacitor KERKO 10nF 50V X7R (MOQ:50x)
C114 4518 D001 4544 D002 4530 D003 4530 L002 3212 L003 3212 L004A 4548 L004B 4698 L004C 4566 L004D 4548 L005 3212 L006A 4573		SMD capacitor KERKO 47pF 50V NPO (MOQ:50x)
D001		SMD capacitor KERKO 47pF 50V NPO (MOQ:50x)
D002 4530 D003 4530 L002 3212 L003 3212 L004A 4548 L004B 4698 L004C 4566 L004D 4548 L005 3212 L006A 4573	45444 SMD Diode 1SS355	SMD diode 1SS355
D003	45304 SMD Varicap BB419 SOD123	SMD Varicap BB419 SOT123
L002 L003 L004A 4548 L004B 4698 L004C 4566 L004D 4548 L005 L006A 4573 L006B 4573	45304 SMD Varicap BB419 SOD123	SMD Varicap BB419 SOT123
L003 3212 L004A 4548 L004B 4698 L004C 4566 L004D 4548 L005 3212 L006A 4573 L006B 4573	32123 SMD Spule 4,7uH	SMD coil 4.7uH
L004A 4548 L004B 4698 L004C 4566 L004D 4548 L005 3212 L006A 4573 L006B 4573	32123 SMD Spule 4,7uH	SMD coil 4.7uH
L004B 4698 L004C 4566 L004D 4548 L005 3212 L006A 4573 L006B 4573	45495 SMD Spule 150nH SUP8	SMD coil 150nH SUP8
L004C 456 L004D 4548 L005 3212 L006A 4573 L006B 4573	132-144MHz	132-144MHz
L004D 4549 L005 3212 L006A 4573 L006B 4573	46989 SMD Spule 100nH SUP8	SMD coil 100nH SUP8
L004D 4549 L005 3212 L006A 4573 L006B 4573	169-200MHz	169-200MHz
L005 3212 L006A 4572 L006B 4573	45615 SMD Spule 68nH	SMD coil 68nH
L005 3212 L006A 4572 L006B 4573	199-235MHz	199-235MHz
L006A 4572	45494 SMD Spule 47nH SUP8	SMD coil 47nH SUP8
L006A 4572	234-260MHz	234-260MHz
L006B 4573	32123 SMD Spule 4,7uH	SMD coil 4.7uH
	45722 SMD HF Spule	SMD RF coil
	132-144MHz	132-144MHz
	45723 SMD HF Spule	SMD RF coil
	169-217MHz	169-217MHz
L006C 457		SMD RF coil
	45724 SMD HF Spule	216-260MHz
L007A 371	216-260MHz	SMD coil 390nH
L007B 454	216-260MHz 37190 SMD Spule 390 nH	132-144MHz
LUU/D 454	216-260MHz 37190 Spule 390 nH 132-144MHz	SMD coil 150nH SUP8
10070	216-260MHz 37190 SMD Spule 390 nH 132-144MHz 45495 SMD Spule 150nH SUP8	169-217MHz
L007C 469	216-260MHz 37190 Spule 390 nH 132-144MHz 45495 SMD Spule 150nH SUP8 169-217MHz	SMD coil 100nH SUP8
10004	216-260MHz 37190 SMD Spule 390 nH 132-144MHz 45495 SMD Spule 150nH SUP8 169-217MHz 46989 SMD Spule 100nH SUP8	216-260MHz
L008A 456	216-260MHz 37190 SMD Spule 390 nH 132-144MHz 45495 SMD Spule 150nH SUP8 169-217MHz 46989 SMD Spule 100nH SUP8 216-260MHz	L SIMILL CON DECIS
L008B 454	216-260MHz 37190 SMD Spule 390 nH 132-144MHz 45495 SMD Spule 150nH SUP8 169-217MHz 46989 SMD Spule 100nH SUP8 216-260MHz 45615 SMD Spule 68nH	SMD coil 68nH
LUU0B 454	216-260MHz 37190 SMD Spule 390 nH 132-144MHz 45495 SMD Spule 150nH SUP8 169-217MHz 46989 SMD Spule 100nH SUP8 216-260MHz 45615 SMD Spule 68nH 132-144MHz	132-144MHz
L008C 454	216-260MHz 37190 SMD Spule 390 nH 132-144MHz 45495 SMD Spule 150nH SUP8 169-217MHz 46989 SMD Spule 100nH SUP8 216-260MHz 45615 SMD Spule 68nH 132-144MHz 45494 SMD Spule 47nH SUP8	132-144MHz SMD coil 47nH SUP8
1454	216-260MHz 37190 SMD Spule 390 nH 132-144MHz 45495 SMD Spule 150nH SUP8 169-217MHz 46989 SMD Spule 100nH SUP8 216-260MHz 45615 SMD Spule 68nH 132-144MHz	132-144MHz

POS	IDENT	BEZEICHNUNG	DESCRIPTION
L010A	45494	SMD Spule 47nH SUP8	SMD coil 47nH SUP8
		132-144MHz	132-144MHz
L010B	45493	SMD Spule 33nH SUP8	SMD coil 33nH SUP8
		169-260MHz	169-260MHz SMD transistor BC850C SOT23
Q001	21165	SMD Transistor BC850C SOT23	SMD transistor BC860B SOT23
Q002	32468	SMD Transistor BC860B SOT23 SMD Transistor BC860B SOT23	SMD transistor BC860B SOT23
Q003 Q004	32468 32467	SMD Transistor BC850B SOT23	SMD transistor BC850B SOT23
Q005	27023	SMD Transistor BFS17 SOT23	SMD transistor BFS17 SOT23
Q006	27023	SMD Transistor BFS17 SOT23	SMD transistor BFS17 SOT23
Q007	27023	SMD Transistor BFS17 SOT23	SMD transistor BFS17 SOT23
Q008	21165	SMD Transistor BC850C SOT23	SMD transistor BC850C SOT23
Q009	27023	SMD Transistor BFS17 SOT23	SMD transistor BFS17 SOT23
Q010	21165	SMD Transistor BC850C SOT23	SMD transistor BC850C SOT23 SMD transistor BFS17 SOT23
Q011	27023	SMD Transistor BFS17 SOT23 SMD Transistor BC860B SOT23	SMD transistor BC860B SOT23
Q012 Q013	32468 32467	SMD Transistor BC850B SOT23	SMD transistor BC850B SOT23
Q014	32467	SMD Transistor BC850B SOT23	SMD transistor BC850B SOT23
Q015	32468	SMD Transistor BC860B SOT23	SMD transistor BC860B SOT23
Q016	32467	SMD Transistor BC850B SOT23	SMD transistor BC850B SOT23
Q017	32468	SMD Transistor BC860B SOT23	SMD transistor BC860B SOT23
Q018	32468	SMD Transistor BC860B SOT23	SMD transistor BC860B SOT23
Q019	32468	SMD Transistor BC860B SOT23	SMD transistor BC860B SOT23
Q020	32467	SMD Transistor BC850B SOT23	SMD transistor BC850B SOT23 SMD transistor BC850B SOT23
Q021	32467	SMD Transistor BC850B SOT23	SMD transistor BC850B SOT23
Q022	32467	SMD Transistor BC850B SOT23 SMD Widerstand 15k 5% 0603 (MOQ:50x)	SMD (tahisistor 15k 5% 0603 (MOQ:50x)
R001 R002	45139 45124	SMD Widerstand 13k 5% 0003 (MOQ:50x)	SMD resistor 47R 5% 0603 (MOQ:50x)
R003	45144	SMD Widerstand 100k 5% 0603 (MOQ:50x)	SMD resistor 100k 5% 0603 (MOQ:50x)
R004	45221	SMD Widerstand 82k 5% 0603 (MOQ:50x)	SMD resistor 82k 5% 0603 (MOQ:50x)
R005	45136	SMD Widerstand 4k7 5% 0603 (MOQ:50x)	SMD resistor 4k7 5% 0603 (MOQ:50x)
R006	45144	1	SMD resistor 100k 5% 0603 (MOQ:50x)
R007	19507	SMD Widerstand 33k 5% 1206 (MOQ:50x)	SMD resistor 33k 5% 1206 (MOQ:50x)
R008	45128	SMD Widerstand 220R 5% 0603 (MOQ:50x)	SMD resistor 220R 5% 0603 (MOQ:50x)
R009	45135	SMD Widerstand 3k3 5% 0603 (MOQ:50x)	SMD resistor 3k3 5% 0603 (MOQ:50x) SMD resistor 4k7 5% 0603 (MOQ:50x)
R010	45136		SMD resistor 68k 5% 0603 (MOQ:50x)
R013 R014	45143 45140	1 1 1 1 1 1 1 1	SMD resistor 22k 5% 0603 (MOQ:50x)
R014	45132		SMD resistor 1k 5% 0603 (MOQ:50x)
R016	45146		SMD resistor 220k 5% 0603 (MOQ:50x)
R017	45142		SMD resistor 47k 5% 0603 (MOQ:50x)
R018	45141	SMD Widerstand 33k 5% 0603 (MOQ:50x)	SMD resistor 33k 5% 0603 (MOQ:50x)
R019	45138		SMD resistor 10k 5% 0603 (MOQ:50x)
R020	45138		SMD resistor 10k 5% 0603 (MOQ:50x) SMD resistor 15k 5% 0603 (MOQ:50x)
R021	45139		SMD resistor 22k 5% 0603 (MOQ:50x)
R022	45140		SMD resistor 100k 5% 0603 (MOQ:50x)
R023 R024	45144		SMD resistor 47k 5% 0603 (MOQ:50x)
R025	45139		SMD resistor 15k 5% 0603 (MOQ:50x)
R026	45130	SMD Widerstand 470R 5% 0603 (MOQ:50x)	SMD resistor 470R 5% 0603 (MOQ:50x)
R027	45137	SMD Widerstand 6k8 5% 0603 (MOQ:50x)	SMD resistor 6k8 5% 0603 (MOQ:50x)
R028	45139	SMD Widerstand 15k 5% 0603 (MOQ:50x)	SMD resistor 15k 5% 0603 (MOQ:50x)
R029	4522	SMD Widerstand 82k 5% 0603 (MOQ:50x)	SMD resistor 82k 5% 0603 (MOQ:50x)
R030	45142		SMD resistor 47k 5% 0603 (MOQ:50x)
R031	4513!	5 SMD Widerstand 3k3 5% 0603 (MOQ:50x)	SMD resistor 3k3 5% 0603 (MOQ:50x) SMD resistor 47k 5% 0603 (MOQ:50x)
R032	4514		SMD resistor 47k 5% 0603 (MOQ:50x)
R033 R036	4514		SMD resistor 47k 5% 0603 (MOQ:50x)
R037	4514	1	SMD resistor 100k 5% 0603 (MOQ:50x)
R038	4513		SMD resistor 4k7 5% 0603 (MOQ:50x)
R039	4513	1	SMD resistor 6k8 5% 0603 (MOQ:50x)
R040	4514		SMD resistor 33k 5% 0603 (MOQ:50x)
R042	4500		SMD resistor, variable 50k
R043	1950		SMD resistor 33k 5% 1206 (MOQ:50x)
R047A	4512		SMD resistor 100R 5% 0603 (MOQ:50x) 132-144, 169-184MHz
50475	4510	132-144, 169-184MHz	SMD resistor 68R 5% 0603 (MOQ:50x)
R047B	4512	5 SMD Widerstand 68R 5% 0603 (MOQ:50x) 183-200MHz	183-200MHz
R047C	4512		SMD resistor 33R 5% 0603 (MOQ:50x)
110470	4512	199-217MHz	199-217MHz
R047D	4512		SMD resistor 22R 5% 0603 (MOQ:50x)
		216-260MHz	216-260MHz
R049	4529	5 SMD Widerstand 0R 0603 (MOQ:50x)	SMD resistor 0R 0603 (MOQ:50x)

POS	IDENT	BEZEICHNUNG	DESCRIPTION
R050	45132	SMD Widerstand 1k 5% 0603 (MOQ:50x)	SMD resistor 1k 5% 0603 (MOQ:50x)
R051	45136	SMD Widerstand 4k7 5% 0603 (MOQ:50x)	SMD resistor 4k7 5% 0603 (MOQ:50x)
R053	45134	SMD Widerstand 2k2 5% 0603 (MOQ:50x)	SMD resistor 2k2 5% 0603 (MOQ:50x)
R054	45146	SMD Widerstand 220k 5% 0603 (MOQ:50x)	SMD resistor 220k 5% 0603 (MOQ:50x)
R055	45138	SMD Widerstand 10k 5% 0603 (MOQ:50x)	SMD resistor 10k 5% 0603 (MOQ:50x)
R056	45136	SMD Widerstand 4k7 5% 0603 (MOQ:50x)	SMD resistor 4k7 5% 0603 (MOQ:50x)
R057	45138	SMD Widerstand 10k 5% 0603 (MOQ:50x)	SMD resistor 10k 5% 0603 (MOQ:50x)
R058	45124	SMD Widerstand 47R 5% 0603 (MOQ:50x)	SMD resistor 47R 5% 0603 (MOQ:50x)
R059	45130	SMD Widerstand 470R 5% 0603 (MOQ:50x)	SMD resistor 470R 5% 0603 (MOQ:50x)
R060	45130	SMD Widerstand 470R 5% 0603 (MOQ:50x)	SMD resistor 470R 5% 0603 (MQQ:50x)
R061	45128	SMD Widerstand 220R 5% 0603 (MOQ:50x)	SMD resistor 220R 5% 0603 (MOQ:50x)
R062	45136	SMD Widerstand 4k7 5% 0603 (MQQ:50x)	SMD resistor 4k7 5% 0603 (MOQ:50x)
R063	45136	SMD Widerstand 4k7 5% 0603 (MOQ:50x)	SMD resistor 4k7 5% 0603 (MOQ:50x)
R064	45136	SMD Widerstand 4k7 5% 0603 (MOQ:50x)	SMD resistor 4k7 5% 0603 (MOQ:50x)
R065	45124	SMD Widerstand 47R 5% 0603 (MOQ:50x)	SMD resistor 47R 5% 0603 (MOQ:50x)
R066	45127	SMD Widerstand 150R 5% 0603 (MOQ:50x)	SMD resistor 150R 5% 0603 (MOQ:50x)
R067	45136	SMD Widerstand 4k7 5% 0603 (MOQ:50x)	SMD resistor 4k7 5% 0603 (MOQ:50x)
R068	45122	SMD Widerstand 22R 5% 0603 (MOQ:50x)	SMD resistor 22R 5% 0603 (MOQ:50x)
R069	45134	SMD Widerstand 2k2 5% 0603 (MOQ:50x)	SMD resistor 2k2 5% 0603 (MOQ:50x)
R070	45140	SMD Widerstand 22k 5% 0603 (MOQ:50x)	SMD resistor 22k 5% 0603 (MOQ:50x)
R071	45138	SMD Widerstand 10k 5% 0603 (MOQ:50x)	SMD resistor 10k 5% 0603 (MOQ:50x)
R071		SMD Widerstand 10R 5% 0603 (MOQ.50x)	SMD resistor 100R 5% 0603 (MOQ:50x)
	45126	SMD Widerstand 100A 5% 0603 (MOQ:50x)	SMD resistor 4k7 5% 0603 (MOQ:50x)
R073	45136		SMD resistor 4k7 5% 0603 (MOQ:50x) SMD resistor 2k2 5% 0603 (MOQ:50x)
R074	45134	SMD Widerstand 2k2 5% 0603 (MOQ:50x)	
R075	45138	SMD Widerstand 10k 5% 0603 (MOQ:50x)	SMD resistor 10k 5% 0603 (MOQ:50x)
R076	45135	SMD Widerstand 388 5% 0603 (MOQ:50x)	SMD resistor 3k3 5% 0603 (MOQ:50x)
R077	45122	SMD Widerstand 22R 5% 0603 (MOQ:50x)	SMD resistor 22R 5% 0603 (MOQ:50x)
R078	45295	SMD Widerstand 0R 0603 (MOQ:50x)	SMD resistor 0R 0603 (MOQ:50x)
R079	45295	SMD Widerstand 0R 0603 (MOQ:50x)	SMD resistor 0R 0603 (MOQ:50x)
R080	45142	SMD Widerstand 47k 5% 0603 (MOQ:50x)	SMD resistor 47k 5% 0603 (MOQ:50x)
R081	45142	SMD Widerstand 47k 5% 0603 (MOQ:50x)	SMD resistor 47k 5% 0603 (MOQ:50x)
R082	45142	SMD Widerstand 47k 5% 0603 (MOQ:50x)	SMD resistor 47k 5% 0603 (MOQ:50x)
R083	45142		SMD resistor 47k 5% 0603 (MOQ:50x)
R084	45142	SMD Widerstand 47k 5% 0603 (MOQ:50x)	SMD resistor 47k 5% 0603 (MOQ:50x)
R089	45134	SMD Widerstand 2k2 5% 0603 (MOQ:50x)	SMD resistor 2k2 5% 0603 (MOQ:50x)
R090	45144	SMD Widerstand 100k 5% 0603 (MOQ:50x)	SMD resistor 100k 5% 0603 (MOQ:50x)
R091	45134	SMD Widerstand 2k2 5% 0603 (MOQ:50x)	SMD resistor 2k2 5% 0603 (MOQ:50x)
R094	45138	SMD Widerstand 10k 5% 0603 (MOQ:50x)	SMD resistor 10k 5% 0603 (MOQ:50x)
R095	45132	SMD Widerstand 1k 5% 0603 (MOQ:50x)	SMD resistor 1k 5% 0603 (MOQ:50x)
R096	45213	SMD Widerstand 3k9 5% 0603 (MOQ:50x)	SMD resistor 3k9 5% 0603 (MOQ:50x)
R098	45142	SMD Widerstand 47k 5% 0603 (MOQ:50x)	SMD resistor 47k 5% 0603 (MOQ:50x)
R100	45151	SMD Widerstand 2M2 10% 0603 (MOQ:50x)	SMD resistor 2M2 10% 0603 (MOQ:50x)
R101	45151	SMD Widerstand 2M2 10% 0603 (MOQ:50x)	SMD resistor 2M2 10% 0603 (MOQ:50x)
R102	45140	SMD Widerstand 22k 5% 0603 (MOQ:50x)	SMD resistor 22k 5% 0603 (MOQ:50x)
R104	45136	SMD Widerstand 4k7 5% 0603 (MOQ:50x)	SMD resistor 4k7 5% 0603 (MOQ:50x)
R106	45150	SMD Widerstand 1M 5% 0603 (MOQ:50x)	SMD resistor 1M 5% 0603 (MOQ:50x)
R107	45138		SMD resistor 10k 5% 0603 (MOQ:50x)
R108	45126		SMD resistor 100R 5% 0603 (MOQ:50x)
R120	45148		SMD resistor 470k 5% 0603 (MOQ:50x)
R121	45142		SMD resistor 47k 5% 0603 (MOQ:50x)
R122	45148		SMD resistor 470k 5% 0603 (MOQ:50x)
R123	45146		SMD resistor 220k 5% 0603 (MOQ:50x)
R124	45146		SMD resistor 220k 5% 0603 (MOQ:50x)
R125	45138		SMD resistor 10k 5% 0603 (MOQ:50x)
R126	45148		SMD resistor 470k 5% 0603 (MOQ:50x)
R127	45148		SMD resistor 470k 5% 0603 (MOQ:50x)
R127	45140		SMD resistor 56k 5% 0603 (MOQ:50x)
R129	45220		SMD resistor 1k 5% 0603 (MOQ:50x)
R130	45148		SMD resistor 470k 5% 0603 (MOQ:50x)
R131	45146		SMD resistor 220k 5% 0603 (MOQ:50x)
R132			SMD resistor 470k 5% 0603 (MOQ:50x)
1	45148		SMD resistor 10k 5% 0603 (MOQ:50x)
R133	45138		SMD resistor 10k 5% 0603 (MOQ:50x) SMD resistor 3M3 10% 0603 (MOQ:50x)
R134	45292		
R135	45292		SMD resistor 3M3 10% 0603 (MOQ:50x)
R136	45292		SMD resistor 3M3 10% 0603 (MOQ:50x)
R137	45148		SMD resistor 470k 5% 0603 (MOQ:50x)
R138	45142		SMD resistor 47k 5% 0603 (MOQ:50x)
R139	45138		SMD resistor 10k 5% 0603 (MOQ:50x)
R801	4529		SMD resistor 0R 0603 (MOQ:50x)
D00-		146-157,169-184,199-217,234-260MHz	146-157,169-184,199-217,234-260MHz
l R802	4529		SMD resistor 0R 0603 (MOQ:50x) 132-144, 169-200, 234-260MHz
		132-144, 169-200, 234-260MHz	

POS	IDENT	BEZEICHNUNG	DESCRIPTION
R803 S001 S003 S004 U001 U002 U003 U004 U005 U006 U007	45295 26581 26581 45595 41277 45093 45873 40095 45034 45508 45726	SMD Widerstand 0R 0603 (MOQ:50x) 169-235MHz Schiebeschalter Schiebeschalter Codierschalter SMD IC MC33078D SO8 SUP8 SMD IC NE572D SOL16 SMD IC 2xFB.OP MC33182D IC PROM 1Kx4 N82S129N (unprogrammiert!) SMD IC CMOS NJ8820 MP20 SMD IC NE701D SO8	SMD resistor 0R 0603 (MOQ:50x) 169-235MHz Slide switch Slide switch Code switch SMD IC MC33078D SO8 SUP8 SMD IC NE572D SOL16 SMD IC 2xFB.OP MC33183D IC PROM 1Kx4 N82S129N (not programmed!) SMD IC CMOS NJ8820 MP20 SMD IC NE701D SO8 SMD IC RN5RL5ATR
Y001 ZZ020	45309 59815	Quarz 6MHz Bedienungsanleitung BF1081V	Crystal 6MHz Instructions for use BF1081V